

TIMBER
MERCHANT'S
GUIDE

GUILLET

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TIMBER MERCHANT'S GUIDE.

ALSO,

A Table,

WHEREBY, AT ONE VIEW, MAY BE SEEN

THE

SOLID AND SUPERFICIAL MEASURE

OF ANY

SQUARE OR UNEQUAL

Hewed Logs or Plank,

FROM ONE TO FORTY-SEVEN INCHES.

ALSO,

Plates representing the Figures

OF THE

PRINCIPAL PIECES OF TIMBER,

USED IN BUILDING A SEVENTY-FOUR GUN SHIP OF THE LINE,

IN STANDING TREES.

BY PETER GUILLET, L'ainé,

French by birth, American by choice.

Baltimore:

PUBLISHED BY JAMES LOVEGROVE.

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1823.

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DISTRICT OF MARYLAND, TO WIT:

4th March

BE IT REMEMBERED, That on the twenty-eight day of ~~November~~, in the forty-seventh year of the Independence of the United States of America, Peter Guillet, Sen. of the said District, hath deposited in this Office the title of a Book, the right whereof he claims as author, in the words following, to wit:

"Timber Merchant's Guide—Also, a Table, whereby at one view may be seen, the solid and superficial Measure of any Square or unequal Hewed Logs or Plank, from one to forty-seven inches. Also, Plates representing the figures of the principal pieces of Timber used in building a seventy-four Gun Ship of the Line, in standing Trees. By Peter Guillet, L'aîne; French by birth, American by choice."

In conformity with the Act of the Congress of the United States, entitled "An Act for the encouragement of learning, by securing the copies of Maps, Charts, and Books, to the authors and proprietors of such copies during the times therein mentioned;" and also to the Act, entitled "An Act supplementary to the Act, entitled an Act for the encouragement of learning, by securing the copies of Maps, Charts, and Books, to the authors and proprietors of such copies, during the times therein mentioned, and extending the benefits thereof to the arts of designing, engraving, and etching historical and other prints."

PHILIP MOORE,
Clerk of the District of Maryland.

TO

JOHN RODGERS, ESQ.

Captain in the United States Navy,

THIS VOLUME,

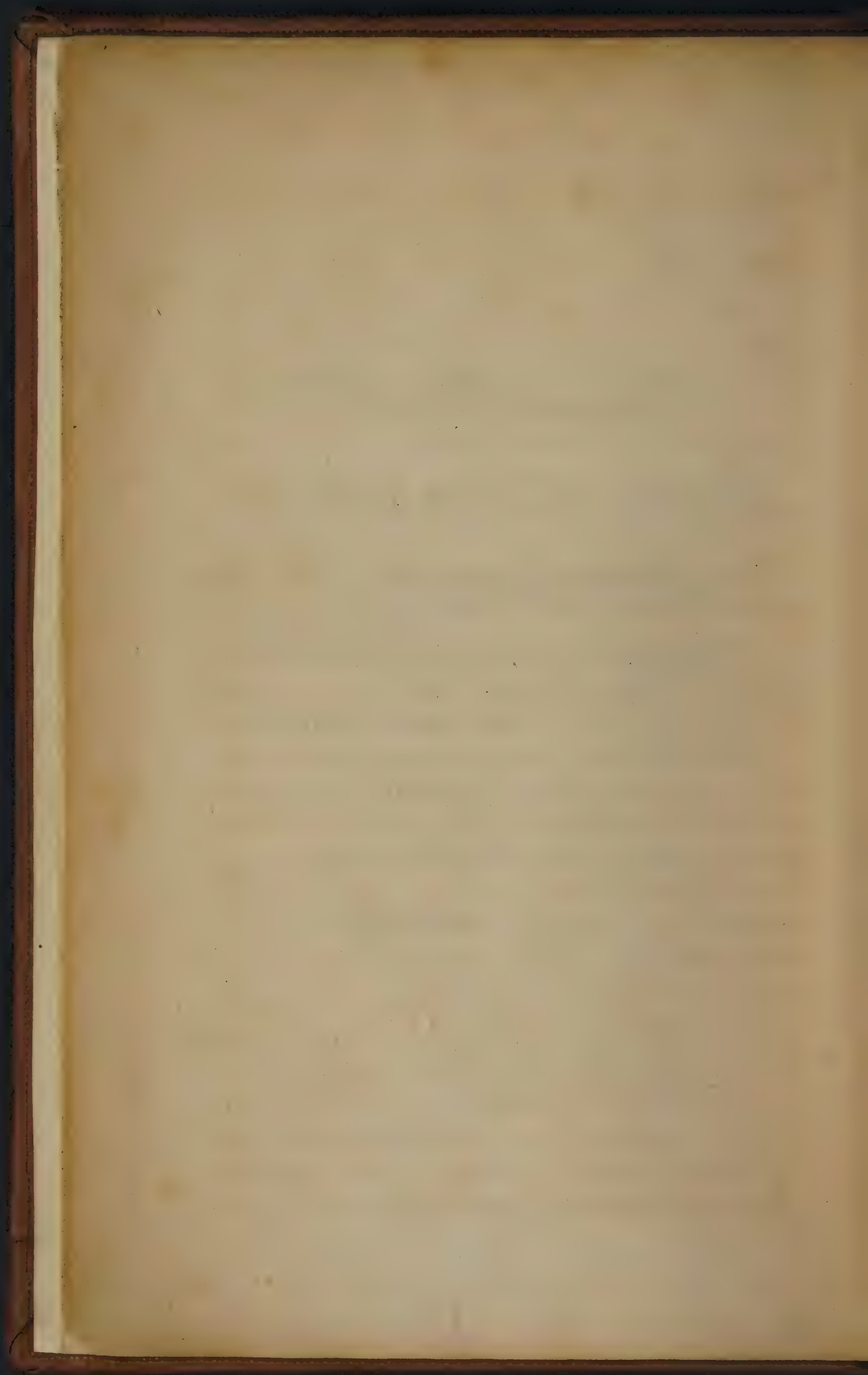
IS INSCRIBED, WITH GREAT RESPECT,

BY

His most obedient,

And humble servant,

PETER GUILLET, *L'ainé*.



INTRODUCTION.

WHEN we consider the progressive devastations committed upon the vast forests of this country—that, if the present destructive course be pursued, they must in time entirely disappear—the necessity of taking prohibitory measures for their preservation, must be obvious to every man of intelligence.

It is necessary, not only to make the best use possible of the timber which we possess, but also to preserve resources for the future; it is to these wise precautions that England owes a part of her overwhelming navy, “the floating bulwark of her island” and France, the existence of the finest forests, ready for any service the kingdom may at any time require, either for ship or public buildings.

Legislative interference, by adopting measures to secure a sufficient portion of our forests, for the use and support of our growing navy and other public purposes, will not only keep that on which depends the strength and prosperity of our commonwealth, but will secure to posterity a source of wealth, and means of national importance, for which they will never cease

to venerate the prescience and sound policy of those who have gone before them.

To prove the necessity of forest regulations by example, we have only to advert to the history of the principle powers of Europe, where it will be seen, that the greatest inconveniences have followed their negligence of attending properly to the preservation of their forests, and that surprising advantages have resulted to those who, at an early day restricted the annihilating axe.

Under the two first dynasties of France, at the time of the foundation of the monastery of St. Benoits, and afterwards, during the space of nearly two centuries, from 1095 to 1268, about which time the crusades, that threatened annihilation to the inhabitants of Europe, were raging; and during all the wars of which France has been the theatre, up to the beginning of the seventeenth century, no care was taken of their forests, more than is at present in the United States, and they saw destroyed, almost all the best timber of their kingdom, which was near the sea coast or rivers, or whose proximity to large cities rendered it valuable; and had not the interference of the legislature, by the ordinance of 1669, and subsequent regulations for the preservation and enlargement of their woodlands, opportunely checked the work of destruction, those in the interior of that kingdom would likewise have been ruined, and France would now have been without those internal resources which are the wealth and vigour of an empire. The abuse of the law passed on the twenty-ninth of September, 1791, which granted to the people of France unlimited controul of their property, proves the absolute necessity

of a restraining power; for the law was no sooner promulgated, than national and individual forests were disappearing before the axe, as if nature had published and willed their destruction. But to the credit of the government of Buonaparte, this threatening evil was stopped by the decrees of le 9 floreal an 11, (April 29, 1803,) and April 15, 1811. Though very unpopular acts, they undoubtedly originated from a desire to promote national aggrandizement and public welfare.

It may be urged by some, that forest laws are inconsistent with the nature of a republican government; to such I would suggest, that in such a code, it is not necessary to continue the penal part with that severity observed in monarchical governments, but lop off every thing that savours in the least of tyranny.

Let the general government make reservation of wood-lands situated near navigable waters, from whence their products can be transported to any part of the United States, as occasion may require. The large cities and splendid navy yards, rapidly growing from the Gulph of Mexico to Passamaquaddy Bay, imperatively demand that such a reservation should be immediately made, as timber is even at this time becoming scarce in accessible situations. I admit that the present licentious manner of treating our forests, would require a considerable time to destroy them in the interior; but those remaining on the margin of rivers and near cities, where most valuable and useful, will in a very short time vanish before the cultivators of the soil. We shall then be compelled, at an enormous expense, to send far into the country to procure timber for our public works, all which inconveniences are now easily anticipated and prevented.

Let commissioners or foresters be appointed to superintend the concerns of the forests, whose duty should be to attend to their preservation, and to the cutting and preparing timber wanted for the navy. Such an institution, (which might properly be considered as belonging to the navy department,) would insure an exhaustless supply of excellent materials for the construction of our growing navy, and would relieve the navy commissioners of a burden rather inconsistent with their station.

That the concerns of such an institution would require the almost undivided attention of men of experience and judgment, is evident, from a superficial view of the duties that must necessarily devolve upon the superintendent or forester. The promotion of the health and growth of trees requires the nicest care; likewise the most particular management is necessary in cutting the timber, in order to facilitate its reproduction; and farther, the time and manner of cutting, the age and condition of the tree, are very material to the durability of shipping or other structures; particularly to shipping, for a ship built of timber improperly selected and prepared, is, beside its original cost and the probable loss of many brave men from its premature dissolution, rather a disadvantage to the nation to which it belongs, as its sickly constitution must needs have its concomitant train of expenses for repairs, &c. like a man brought to an untimely grave by an inborn physical defect, that consumes his substance for medical aid, to prolong a miserable precarious existence.

Individuals wishing to make the most of their woodlands, will find it very profitable to cut their timber

by sections, sparing to every acre ten or twelve of the most promising size white oaks or pines, whichever the soil will produce best; range the order of their lands so as to cut a section every year; for example, say a man has two hundred acres of woodland, divided into sections of ten acres each, then by cutting one section every year, he would have young timber twenty years old, which makes excellent fire-wood, and I should say that in common lands, wood of twenty years growth, would yield fifteen or twenty cords of firewood per acre, besides fencing timber, sufficient to always keep in good repair, an enclosure of two hundred acres. Then the ten or twelve trees growing in reserve, will, at the end of eighty or one hundred years, furnish timber fit to make shipping or staves. Where land has become useless from long cultivation, a little trouble only is necessary, to make it productive and profitable to the owner. By enclosing it for a few years, and encouraging the growth of the most promising young trees which will generally spring up spontaneously, all the advantages above described will be derived from it, which is certainly the best way that worn-out or sterile land can be disposed of. Such a course recommended to, and adopted by individuals, would not only be to their own private gain, but also of great public utility.

Trifling or important as the above hints may appear to many; the weight they may have on the public mind, the attention paid to them, to posterity is of the greatest consequence.

When another century with its consequent changes and revolutions is past; when the present "actors on the stage of human life" are no more; when the in-

creased population of another century, proportionate to that last past, shall swarm where we now see nothing but the solitary deserts, and when the remaining trees of our forests shall have been wantonly destroyed by the unrestrained, licentious hand of the farmer; then will posterity justly censure the want of foresight and supineness of the present age, and will be compelled to adopt the most rigorous code of forest laws, and wait the tardy growth of the oak. These are no illusions; our expansive and seemingly inexhaustible forests, will ere long be ruined; the foregoing anticipated evils will soon be realized, unless preventive measures are immediately taken by the government.

TIMBER MERCHANT'S GUIDE.

CHAPTER I.

*Of the Timber employed by the Ancients for Naval construction.**

NAVAL architecture is very ancient; its origin is unknown: all means have been used to perfect it.

It is supposed that the first rude essays to navigate were as follows; logs were closely arranged and covered with plank, and were dragged along the shore by animal power; the Latins called these kind of rafts *rates*. Rafts constructed out of blown bladders, without either logs or plank, were afterwards invented, which for their buoyancy were preferable to the former: these were soon improved upon by using buckskins inflated; most all kinds of skins sewed up, and filled with air were used; on these kinds of rafts Hannibal's army passed over the Rhone, and Alexander's the Oxus and Tanais. Some have been made of willows covered with ox hides; the latter were a

* Instruction sur les bois de marine, publiée^{12. 21} en 1780, par Telles d' Acosta, grand maitre des eaux et forêts au département de Champagne.

long time in use among the ancient inhabitants of Great Britain; others were formed of rushes. The following are the first accounts we have of any thing like systematized boats: Isaiah speaks of certain ambassadors who crossed the sea in boats made out of rushes. The Egyptians also, had boats made of *papier*, a kind of rush that grows on the shores of the Nile. Juvenal informs us, that to give them more solidity they covered them with burnt clay. This probably gave rise to the idea of constructing boats of single trees. The Greeks adopted this last method, to which they gave the appellation of *manoxillos*. The Ethiopians likewise made boats of cane, to avoid the trouble of digging or excavating the trunks of trees. When Grijavala entered the river Tabasco, the Indians came to meet him in canoes made of single trees, some of which contained twenty men. Pliny says, that the pirates of Germany used such boats; and that boats of a single tortoise shell have been seen floating on the Red sea. Reveneau of Lausanne observes, that out of a single *mapou* and mahogany, canoes have been made that carried eighty men. Daviti assures us that in the kingdom of Congo, ships of war are seen made of single trees, to which they give the name of *Lincondos*, and which can carry as many as two hundred men in perfect safety. The periogues of the East Indies, are a kind of canoe formed like the *manoxillos* of the Greeks. The Ethiopians have constructed some without iron.

The ancients have had armed vessels for purposes of war, but historians do not always say of what kind of timber they were built. Osiris king of Egypt equipped a numerous fleet for the purpose of conquer-

ing the East Indies. Sesostris his successor had one of forty-five sail. Semiramis eighty years before armed three thousand gallies against the people of the East Indies, who on their part had four thousand barks constructed of canes, arrayed against her. Xerxes, king of Persia, four hundred and seventy-six years before the christian era, armed a numerous fleet for the invasion of Greece.

The Romans, 256 years before Jesus Christ, and in the year 494 of the foundation of their city, built one hundred and sixty gallies, and gave combat with that number to the Carthaginians; afterwards they had three and thirty arrayed against the same people, who had on their part three hundred and fifty. M. Anthony's fleet, at the battle of Actium numbered eight hundred sail, that of Augustus' only four hundred.

Galleys were the principal vessels used by the ancients in time of war. Philopater had one built 600 feet in length, and 85 in breadth, on which a superb palace was erected with cedar timber; this galley was propelled by one thousand oars. The one made under Aieor was still larger. Dionysius of Syracuse had one made that would carry six thousand men. There was a huge galley constructed in the reign of the emperor Calligula, of cedar; her stern was plated with ivory ornamented with diamonds.

The South sea Indians and the Negroes on the coast of Guinea make canoes of the trunks of trees. The Savages of Terra-del-Feugo construct theirs out of bark in such a way as renders them portable. Those at Davis's Straits make theirs of little sticks closely arranged and covered with seal skin.

This is nearly all that is known of the ancient's *constructions navale*, in which undoubtedly the oak has been much used, as its superior qualities must soon have been discovered.

In fact the oak is preferable to all other kinds of timber; it is harder, more compact and more durable than most others, and at present very abundant.

Many other species of timber, without doubt, have been used in ancient times for ship-building. Vitruve, a celebrated architect among the Assyrians, preferred the cypress on account of its durability. Pine has been sometimes used, it would seem from a passage in Virgil where he calls the vessels of his time *nautica pinus*. The Phoenicians also made use of cedar which was very abundant in their territory.

We learn from Appollonius, that the keels of the ships of Argos were of beech got out of the forest of Dodona. Theophrastus tells us, that ship's timbers were made of black thorn.

It is recorded that the ships of the emperor Trajan were made of pine and cypress, which lay under water 1300 years in the lake Remorancee without decaying.

There are some other kinds of wood very durable, such as the ebony, the box-wood, the yew, the juniper and olive.

Pliny says the larch-tree will stand the longest without rotting, and will almost resist fire. This kind of timber is found on the River Po and the shore of the Adriatic sea.

All kinds of wood have been employed in these purposes, as well for ornament, as for timbers of ships.

Let us now pass to the timber used by the moderns in naval architectnre.

CHAPTER II.

SECTION I.

*Of the timber commonly used for ship building in the modern ages.**

OAK and pine are generally made use of in ship building, more especially where that kind of timber can be procured with as great facility as in this country, in England and France they sometimes employ birch, elm and even walnut, in forming the frames of vessels: this is to be avoided where oak and pine can be procured.

Let us treat first of the oak, as it is the principal material in naval architecture.

Among the different kinds of hard wood the oak is most proper for the construction of shipping: this kind of timber is of different qualities, hard, soft and brittle. The hardest kind of oak grows in hot climates, soft in cold or temperate latitudes, and the brittle among all, where the oak is decaying from age &c. From young trees the best timber can be extracted. Most generally an oak of 150 years growth begins to decay, some at 100. Live and white oak stand first among the variety of that kind of timber; it should be cultivated and preserved with care wherever the soil and situation most favours its growth: the preference given to this species of oak

* It is unnecessary to say that I do not treat of timber as a naturalist, but only as an experienced observer, unskilled in technicals.

should not extend to the exclusion of other kinds, it is only desirable that this kind, ^{and the} white oak, should be used where it can easily be procured. ^

SECTION II.

Method of examining standing trees in order to ascertain whether they are internally decayed.

The selection of the best trees for ship timber, is the result of long practice and experience, of which we will give the following summary.

It is known that on soil, situation and exposition, in a measure depends the quality of timber and its early maturity: it is therefore very important to persons selecting timber for public or private buildings upon land, or to float on the water, that they should pay attention to those three essential considerations.

I will here introduce the result of the laborious researches and experience of Duhamel.

1. The oak of warm dry countries is harder and more compact, and less subject to rot, than that of cold or temperate climates; but the last are generally taller and larger, so that they have the advantage of the former in furnishing logs of greater size.

2. Trees that grow on the declivity of mountains or hills, in the margin of forests and those isolated, are generally hard timber and of good quality, which make excellent knees and timbers for shipping, but not so well adapted for the purposes of planks or staves.

3. Trees situated in plains and the middle of forests, are not so hard, but generally of long body

and strait grain the best quality of timber for plank, logs for ships and staves.

4. "Timber which has grown particularly exposed to the east, though subject to be crooked, is hard, durable, and excellent for ship building.

5. "Trees which have grown on a western exposure, or towards sun setting, are less hard than those of the contrary exposure.

6. "On a northern exposition, trees will be found of larger growth than any other, though much softer, notwithstanding which, the necessity of having large logs compels us to make use of them.

"Rich soil rather dry than moist produces the best quality of timber. The age at which trees are in the best state for cutting, is before decay commences at the heart, if the wish is to get the best advantage from it: but in general the precise age nor the size proper for cutting, cannot be determined in any kind of timber; the size in particular depends entirely on accident."

We shall add that it is pretty generally agreed that as soon as a tree has matured or done growing, it remains a certain length of time in a fixed state, without alteration, before decay commences, but afterwards its progress will be sensibly perceptible from the state of the bark, the outside of which will become dry and will drop off. The foliage will not be as verdant, that particularly at the top will become yellow and fall soon in autumn, and sometimes none but the lower branches are clothed with leaves at all: however, those marks of decay *might* appear and still the body exteriorly look perfectly sound, while its heart is totally decomposed and good for nothing.

The following are the most prominent marks of a tree in a decayed state according to Duhamel.

1. "A tree assuming with its top branches a round form must have little vigour, whatsoever its size.

2. "When a tree puts forth its leaves early in spring which fall off soon in autumn, where they become yellow before others, and those on the lower limbs continue greener than those on the top; these are marks of little vigour.

3. "Where the branches of the top are a part of them dead, this is an invariable sign of rottenness at the heart.

4. "Large and deep fissures in the bark indicate inward decline.

5. "When the bark is covered with much moss or mushrooms, or where it is marked with black or reddish stripes, it will most commonly be found that the interior is much damaged by rot.

6. "When it is perceived that the sap distils through the pores of the bark, this is an indication of the immediate death of the tree. Concerning cankers and *gouttieres*, these defects though hurtful to trees, mostly originate from local causes, and are not always indicative of a declining state. To the contrary the oak is sound when the branches, above all, at the top, are vigorous; those which are smothered under the impervious limbs above, may be yellow, languishing and even dead, without being a mark of decay. Where the leaves are green, particularly at the top, and fall in autumn very late; when the bark is fine, clear and level, with little difference in its colour, from the ground up to the large limbs, the tree is to be supposed of good quality. It is the

same, when in the cavities formed by the large, coarse bark, small cavities or fissures appear, which follow from the butt to the top, the direction of the fibres of the wood, and when, between the ruins of the old bark, growing bark is seen, then it may be considered that the tree is growing and vigorous."

It is neither the size nor the age that should determine the time to cut an oak; we repeat it again, climate, soil and situation, are to be considered.

SECTION III.

Among the pine the yellow is the best, either for beams or masts, or for planking the upperworks of ships. Buffon says "that pine placed horizontally will bear one fifth more than oak placed in like manner."

Pine of the best quality is known by apparent signs, among which, the following are most notable.

1. The wood of the yellow pine, should be of a clear yellow, and not white, this colour indicating that it is more resinous.

2. The grain is to be closed, as the heaviest is the most esteemed.

3. The concentric circles of the body of the tree, ought not to be too thick, some ought to be seen alternately of a brilliant yellow and full of pitch or resin.

4. When the bark is off, a viscid fluid ought to distil from all parts of an agreeable odour if exposed to the sun.

5. If of a crimson or reddish colour, well: if the turpentine be of a black colour, this last mark indicates approaching rot.

6. Pine must have acquired a certain age of maturity before it is in its perfection. The young tree has too much sap to endure long.

7. The colour of the timber should be uniform. That, which, when hewed shows many variegated colours like marble, or is of various colours, is good for nothing.

8. Pine timber which has many fissures or knots, is not proper for shipbuilding. Great care should be taken in the examination of such timber.

SECTION IV.

Experience has shown that timber should be cut in autumn after vegetation has ceased, or any time between the middle of September and the middle of April following; trees cut down within this time should be dressed certainly before the succeeding August, as the worm, so destructive to fallen timber, generally commences its ravages in that month. Timber either oak or pine should be placed under a dry shade soon as hewed and dressed for use, or put into a basin of fresh water so as to be completely immersed; but the *former* ~~latter~~ is to be preferred, as the process of drying is often injurious.

The method adopted in the United States of erecting shades over vessels not actually employed, after hauling them out upon land is worthy of admiration by those acquainted with the principles of economy; if the present course be followed we shall in a little time, and with little expense, compared to its magnitude, raise a fleet which will carry the respected name of our republic to the remotest parts of the globe.

SECTION V.

The precise use and divers employment to which any kind of timber is generally or exclusively proper for, cannot be determined unless one ascertain its density, green or dry, its specified gravity, how much it will contract or shrink in seasoning, and the other variations which it will undergo in drying; its strength and elasticity, its hardness and softness, the flexibility or rigidity of its longitudinal fibres, the grain which it presents, the weight which it is capable of bearing, the resistance which it opposes to the tools of the artificer, the aliment which it offers to insects, the impression in fine, which time, air, moisture and waters have upon it.

It is well known, that all kinds of timber in drying, lose of their weight and volume, and experience teaches that to employ timber in building before it is perfectly seasoned nothing will result but unprofitable work, which will split, warp and disjoint, in all parts. Seasoning makes very little or perhaps no difference in the length of timber, it is only by the retrocession of the parallel grain of the wood towards the heart or centre, that its volume is diminished; if this be done under shade, it will split less and consequently be attended with less injury than where it is exposed to the open air or the sun.

SECTION VI.

According to Buffon, the strength of timber is proportionate to its specific weight; of two logs of the same size, the heaviest is the strongest in the same

proportion as they differ in weight. The same author asserts, that a piece of timber having to bear only two thirds of a burthen capable of breaking it at first, will in a short time give way: if this observation be correct, artificers should be extremely cautious in building, not to give any piece of timber a burthen exceeding one half of what it would require to break it.

EXPLANATION OF THE TABLE.

The top figure on the pages throughout the table, arranged in numerical order, from 1 to 40, are the supposed width of timber. The isolated numbers immediately below horizontal or transversely arranged are the supposed breadth, or when combined with the figures at the top of the page, they will compass the dimensions of any piece from 1 inch by 5, to 40 inches by 47. The perpendicular columns, at the right of the longest ruled line in each page are the length—and immediately to the right hand of the figure that answers to the length of a piece, its contents will be found, first the solid or cubic, then the superficial; thus: a piece to be measured 19 inches in width, turn to No. 19 at the top of the page then if it be an equal sided piece, 19 by 19, look at the left hand of the horizontal line of isolated figures and No. 19 will be the first, say it is 19 feet in length, look at the left hand perpendicular column within the two ruled lines that extend parallel up to the top, one running transversely, and the upper figure is the number required, to the right of which is its solid contents, 47 feet, 7 inches, 7-12 of an inch; then the superficial, still to the right, 571 feet and 7 inches. Supposing a piece 19 by 19 and 49 feet long;—look down the same perpendicular column, mentioned above, until you come to number 49, to the right of which the solid and superficial contents will be found, 122 feet, 10 inches,

and 1-12 of an inch, solid, and 1474 feet and 1 inch, superficial. Suppose an unequal sided piece of timber, 19 by 20, 21, 22, or 23, &c. 19 by 20 will be found at the right of 19 by 19, 19 by 21 at the right of 19 by 20, and so on, until you come to 19 by 26.

Where a piece of timber is more than 50 feet in length, take any two numbers in the perpendicular column that will, when added together, amount to the length of the stalk, add the contents found at the right thus: suppose a piece 19 by 23, 57 feet in length, take the numbers 28 and 29, add up the amount at the right hand of each, which will be found 172 feet, 11 inches, and 9-12 of an inch, solid, or 2075 feet 9 inches, superficial.

N. B. The same principle applies to every page in the table.

Method of calculating Timber, or the method by which the following Table was made.

Suppose a piece 15 by 17, 80 feet in length.

$$\begin{array}{r}
 15 \text{ in.} \\
 \text{by } 17 \\
 \hline
 105 \\
 15 \\
 \hline
 255 \\
 30 \\
 \hline
 12 \mid 7650
 \end{array}$$

12 | 637 ft. 6 in. superficial.

53 ft. 1 in. 6-12, solid,
which will be found in the table under the column 15 by 17.

TABLE.

1 inch wide

Length	5 in. depth			T	6			T	7			T	8		
	Cubic ft. in. pt.	Superfi. ft. in.			Cubic ft. in. pt.	Superfi. ft. in.			Cubic ft. in. pt.	Superfi. ft. in.			Cubic ft. in. pt.	Superfi. ft. in.	
5	0 2 1	2 1		6	0 3 0	3 0		7	0 4 1	4 1		8	0 5 4	5 4	
6	0 2 6	2 6		7	0 3 6	3 6		8	0 4 8	4 8		9	0 6 0	6 0	
7	0 2 11	2 11		8	0 4 0	4 0		9	0 5 3	5 3		10	0 6 8	6 8	
8	0 3 4	3 4		9	0 4 6	4 6		10	0 5 10	5 10		11	0 7 4	7 4	
9	0 3 9	3 9		10	0 5 0	5 0		11	0 6 5	6 5		12	0 8 0	8 0	
10	0 4 2	4 2		11	0 5 6	5 6		12	0 7 0	7 0		13	0 8 8	8 8	
11	0 4 7	4 7		12	0 6 0	6 0		13	0 7 7	7 7		14	0 9 4	9 4	
12	0 5 0	5 0		13	0 6 6	6 6		14	0 8 2	8 2		15	0 10 0	10 0	
13	0 5 5	5 5		14	0 7 0	7 0		15	0 8 9	8 9		16	0 10 8	10 8	
14	0 5 10	5 10		15	0 7 6	7 6		16	0 9 4	9 4		17	0 11 4	11 4	
15	0 6 3	6 3		16	0 8 0	8 0		17	0 9 11	9 11		18	1 0 0	12 0	
16	0 6 8	6 8		17	0 8 6	8 6		18	0 10 6	10 6		19	1 0 8	12 8	
17	0 7 1	7 1		18	0 9 0	9 0		19	0 11 1	11 1		20	1 1 4	13 4	
18	0 7 6	7 6		19	0 9 6	9 6		20	0 11 8	11 8		21	1 2 0	14 0	
19	0 7 11	7 11		20	0 10 0	10 0		21	1 0 3	12 3		22	1 2 8	14 8	
20	0 8 4	8 4		21	0 10 6	10 6		22	1 0 10	12 10		23	1 3 4	15 4	
21	0 8 9	8 9		22	0 11 0	11 0		23	1 1 5	13 5		24	1 4 0	16 0	
22	0 9 2	9 2		23	0 11 6	11 6		24	1 2 0	14 0		25	1 4 8	16 8	
23	0 9 7	9 7		24	1 0 0	12 0		25	1 2 7	14 7		26	1 5 4	17 4	
24	0 10 0	10 0		25	1 0 6	12 6		26	1 3 2	15 2		27	1 6 0	18 0	
25	0 10 5	10 5		26	1 1 0	13 0		27	1 3 9	15 9		28	1 6 8	18 8	
26	0 10 10	10 10		27	1 1 6	13 6		28	1 4 4	16 4		29	1 7 4	19 4	
27	0 11 3	11 3		28	1 2 0	14 0		29	1 4 11	16 11		30	1 8 0	20 0	
28	0 11 8	11 8		29	1 2 6	14 6		30	1 5 6	17 6		31	1 8 8	20 8	
29	1 0 1	12 1		30	1 3 0	15 0		31	1 6 1	18 1		32	1 9 4	21 4	
30	1 0 6	12 6		31	1 3 6	15 6		32	1 6 8	18 8		33	1 10 0	22 0	
31	1 0 11	12 11		32	1 4 0	16 0		33	1 7 3	19 3		34	1 10 8	22 8	
32	1 1 4	13 4		33	1 4 6	16 6		34	1 7 10	19 10		35	1 11 4	23 4	
33	1 1 9	13 9		34	1 5 0	17 0		35	1 8 5	20 5		36	2 0 0	24 0	
34	1 2 2	14 2		35	1 5 6	17 6		36	1 9 0	21 0		37	2 0 8	24 8	
35	1 2 7	14 7		36	1 6 0	18 0		37	1 9 7	21 7		38	2 1 4	25 4	
36	1 3 0	15 0		37	1 6 6	18 6		38	1 10 2	22 2		39	2 2 0	26 0	
37	1 3 5	15 5		38	1 7 0	19 0		39	1 10 9	22 9		40	2 2 8	26 8	
38	1 3 10	15 10		39	1 7 6	19 6		40	1 11 4	23 4		41	2 3 4	27 4	
39	1 4 3	16 3		40	1 8 0	20 0		41	1 11 11	23 11		42	2 4 0	28 0	
40	1 4 8	16 8		41	1 8 6	20 6		42	2 0 6	24 6		43	2 4 8	28 8	
41	1 5 1	17 1		42	1 9 0	21 0		43	2 1 1	25 1		44	2 5 4	29 4	
42	1 5 6	17 6		43	1 9 6	21 6		44	2 1 8	25 8		45	2 6 0	30 0	
43	1 5 11	17 11		44	1 10 0	22 0		45	2 2 3	26 3		46	2 6 8	30 8	
44	1 6 4	18 4		45	1 10 6	22 6		46	2 2 10	26 10		47	2 7 4	31 4	
45	1 6 9	18 9		46	1 11 0	23 0		47	2 3 5	27 5		48	2 8 0	32 0	
46	1 7 2	19 2		47	1 11 6	23 6		48	2 4 0	28 0		49	2 8 8	32 8	
47	1 7 7	19 7		48	2 0 0	24 0		49	2 4 7	28 7		50	2 9 4	33 4	
48	1 8 0	20 0		49	2 0 6	24 6		50	2 5 2	29 2					
49	1 8 5	20 5		50	2 1 0	25 0									
50	1 8 10	20 10													

5				6				7				8							
	Cubic			Superfi.		Cubic			Superfi.				Cubic			Superfi.			
	ft.	in.	pt.			ft.	in.	pt.					ft.	in.	pt.				
5	0	3	1 $\frac{1}{2}$	3	1 $\frac{1}{2}$	5	0	3	9	3	9	5	0	4	4 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5	0
6	0	3	9	3	9	6	0	4	6	4	6	6	0	5	3	5	3	6	0
7	0	4	4 $\frac{1}{2}$	4	4 $\frac{1}{2}$	7	0	5	3	5	3	7	0	6	1 $\frac{1}{2}$	6	1 $\frac{1}{2}$	7	0
8	0	5	0	5	0	8	0	6	0	6	0	8	0	7	0	7	0	8	0
9	0	5	7 $\frac{1}{2}$	5	7 $\frac{1}{2}$	9	0	6	9	6	9	9	0	7	10 $\frac{1}{2}$	7	10 $\frac{1}{2}$	9	0
10	0	6	3	6	3	10	0	7	6	7	6	10	0	8	9	8	9	10	0
11	0	6	10 $\frac{1}{2}$	6	10 $\frac{1}{2}$	11	0	8	3	8	3	11	0	9	7 $\frac{1}{2}$	9	7 $\frac{1}{2}$	11	0
12	0	7	6	7	6	12	0	9	0	9	0	12	0	10	6	10	6	12	0
13	0	8	1 $\frac{1}{2}$	8	1 $\frac{1}{2}$	13	0	9	9	9	9	13	0	11	4 $\frac{1}{2}$	11	4 $\frac{1}{2}$	13	0
14	0	8	9	8	9	14	0	10	6	10	6	14	1	0	3	12	3	14	0
15	0	9	4 $\frac{1}{2}$	9	4 $\frac{1}{2}$	15	0	11	3	11	3	15	1	1	1 $\frac{1}{2}$	13	1 $\frac{1}{2}$	15	0
16	0	10	0	10	0	16	1	0	0	12	0	16	1	2	0	14	0	16	0
17	0	10	7 $\frac{1}{2}$	10	7 $\frac{1}{2}$	17	1	0	9	12	9	17	1	2	10 $\frac{1}{2}$	14	10 $\frac{1}{2}$	17	0
18	0	11	3	11	3	18	1	1	6	13	6	18	1	3	9	15	9	18	0
19	0	11	10 $\frac{1}{2}$	11	10 $\frac{1}{2}$	19	1	2	3	14	3	19	1	4	7 $\frac{1}{2}$	16	7 $\frac{1}{2}$	19	0
20	1	0	6	12	6	20	1	3	0	15	0	20	1	5	6	17	6	20	0
21	1	1	1 $\frac{1}{2}$	13	1 $\frac{1}{2}$	21	1	3	9	15	9	21	1	6	4 $\frac{1}{2}$	18	4 $\frac{1}{2}$	21	0
22	1	1	9	13	9	22	1	4	6	16	6	22	1	7	3	19	3	22	0
23	1	2	4 $\frac{1}{2}$	14	4 $\frac{1}{2}$	23	1	5	3	17	3	23	1	8	1 $\frac{1}{2}$	20	1 $\frac{1}{2}$	23	0
24	1	3	0	15	0	24	1	6	0	18	0	24	1	9	0	21	0	24	0
25	1	3	7 $\frac{1}{2}$	15	7 $\frac{1}{2}$	25	1	6	9	18	9	25	1	9	10 $\frac{1}{2}$	21	10 $\frac{1}{2}$	25	0
26	1	4	3	16	3	26	1	7	6	19	6	26	1	10	9	22	9	26	0
27	1	4	10 $\frac{1}{2}$	16	10 $\frac{1}{2}$	27	1	8	3	20	3	27	1	11	7 $\frac{1}{2}$	23	7 $\frac{1}{2}$	27	0
28	1	5	6	17	6	28	1	9	0	21	0	28	2	0	6	24	6	28	0
29	1	6	1 $\frac{1}{2}$	18	1 $\frac{1}{2}$	29	1	9	9	21	9	29	2	1	4 $\frac{1}{2}$	25	4 $\frac{1}{2}$	29	0
30	1	6	9	18	9	30	1	10	6	22	6	30	2	2	3	26	3	30	0
31	1	7	4 $\frac{1}{2}$	19	4 $\frac{1}{2}$	31	1	11	3	23	3	31	2	3	1 $\frac{1}{2}$	27	1 $\frac{1}{2}$	31	0
32	1	8	0	20	0	32	2	0	0	24	0	32	2	4	0	28	0	32	0
33	1	8	7 $\frac{1}{2}$	20	7 $\frac{1}{2}$	33	2	0	9	24	9	33	2	4	10 $\frac{1}{2}$	28	10 $\frac{1}{2}$	33	0
34	1	9	3	21	3	34	2	1	6	25	6	34	2	5	9	29	9	34	0
35	1	9	10 $\frac{1}{2}$	21	10 $\frac{1}{2}$	35	2	2	3	26	3	35	2	6	7 $\frac{1}{2}$	30	7 $\frac{1}{2}$	35	0
36	1	10	6	22	6	36	2	3	0	27	0	36	2	7	6	31	6	36	0
37	1	11	1 $\frac{1}{2}$	23	1 $\frac{1}{2}$	37	2	3	9	27	9	37	2	8	4 $\frac{1}{2}$	32	4 $\frac{1}{2}$	37	0
38	1	11	9	23	9	38	2	4	6	28	6	38	2	9	3	33	3	38	0
39	2	0	4 $\frac{1}{2}$	24	4 $\frac{1}{2}$	39	2	5	3	29	3	39	2	10	1 $\frac{1}{2}$	34	1 $\frac{1}{2}$	39	0
40	2	1	0	25	0	40	2	6	0	30	0	40	2	11	0	35	0	40	0
41	2	1	7 $\frac{1}{2}$	25	7 $\frac{1}{2}$	41	2	6	9	30	9	41	2	11	10 $\frac{1}{2}$	35	10 $\frac{1}{2}$	41	0
42	2	2	3	26	3	42	2	7	6	31	6	42	3	0	9	36	9	42	0
43	2	2	10 $\frac{1}{2}$	26	10 $\frac{1}{2}$	43	2	8	3	32	3	43	3	1	7 $\frac{1}{2}$	37	7 $\frac{1}{2}$	43	0
44	2	3	6	27	6	44	2	9	0	33	0	44	3	2	6	38	6	44	0
45	2	4	1 $\frac{1}{2}$	28	1 $\frac{1}{2}$	45	2	9	9	33	9	45	3	3	4 $\frac{1}{2}$	39	4 $\frac{1}{2}$	45	0
46	2	4	9	28	9	46	2	10	6	34	6	46	3	4	3	40	3	46	0
47	2	5	4 $\frac{1}{2}$	29	4 $\frac{1}{2}$	47	2	11	3	35	3	47	3	5	1 $\frac{1}{2}$	41	1 $\frac{1}{2}$	47	0
48	2	6	0	30	0	48	3	0	0	36	0	48	3	6	0	42	0	48	0
49	2	6	7 $\frac{1}{2}$	30	7 $\frac{1}{2}$	49	3	0	9	36	9	49	3	6	10 $\frac{1}{2}$	42	10 $\frac{1}{2}$	49	0
50	2	7	3	31	3	50	3	1	6	37	6	50	3	7	9	43	9	50	0

9				10				11				12			
Cubic ft. in. pt.		Superfi. ft. in.		Cubic ft. in. pt.		Superfi. ft. in.		Cubic ft. in. pt.		Superfi. ft. in.		Cubic ft. in. pt.		Superfi. ft. in.	
5	0 5 7 ¹ / ₂	5	7 ¹ / ₂	5	0 6 3	6	3	5	0 6 10 ¹ / ₂	6	10 ¹ / ₂	5	0 7 6	7	6
6	0 6 9	6	9	6	0 7 6	7	6	6	0 8 3	8	3	6	0 9 0	9	0
7	0 7 10 ¹ / ₂	7	10 ¹ / ₂	7	0 8 9	8	9	7	0 9 7 ¹ / ₂	9	7 ¹ / ₂	7	0 10 6	10	6
8	0 9 0	9	0	8	0 10 0	10	0	8	0 11 0	11	0	8	1 0 0	12	0
9	0 10 1 ¹ / ₂	10	1 ¹ / ₂	9	0 11 3	11	3	9	1 0 4 ¹ / ₂	12	4 ¹ / ₂	9	1 1 6	13	6
10	0 11 3	11	3	10	1 0 6	12	6	10	1 1 9	13	9	10	1 3 0	15	0
11	1 0 4 ¹ / ₂	12	4 ¹ / ₂	11	1 1 9	13	9	11	1 3 1 ¹ / ₂	15	1 ¹ / ₂	11	1 4 6	16	6
12	1 1 6	13	6	12	1 3 0	15	0	12	1 4 6	16	6	12	1 6 0	18	0
13	1 2 7 ¹ / ₂	14	7 ¹ / ₂	13	1 4 3	16	3	13	1 5 10 ¹ / ₂	17	10 ¹ / ₂	13	1 7 6	19	6
14	1 3 9	15	9	14	1 5 6	17	6	14	1 7 3	19	3	14	1 9 0	21	0
15	1 4 10 ¹ / ₂	16	10 ¹ / ₂	15	1 6 9	18	9	15	1 8 7 ¹ / ₂	20	7 ¹ / ₂	15	1 10 6	22	6
16	1 6 0	18	0	16	1 8 0	20	0	16	1 10 0	22	0	16	2 0 0	24	0
17	1 7 1 ¹ / ₂	19	1 ¹ / ₂	17	1 9 3	21	3	17	1 11 4 ¹ / ₂	23	4 ¹ / ₂	17	2 1 6	25	6
18	1 8 3	20	3	18	1 10 6	22	6	18	2 0 9	24	9	18	2 3 0	27	0
19	1 9 4 ¹ / ₂	21	4 ¹ / ₂	19	1 11 9	23	9	19	2 2 1 ¹ / ₂	26	1 ¹ / ₂	19	2 4 6	28	6
20	1 10 6	22	6	20	2 1 0	25	0	20	2 3 6	27	6	20	2 6 0	30	0
21	1 11 7 ¹ / ₂	23	7 ¹ / ₂	21	2 2 3	26	3	21	2 4 10 ¹ / ₂	28	10 ¹ / ₂	21	2 7 6	31	6
22	2 0 9	24	9	22	2 3 6	27	6	22	2 6 3	30	3	22	2 9 0	33	0
23	2 1 10 ¹ / ₂	25	10 ¹ / ₂	23	2 4 9	28	9	23	2 7 7 ¹ / ₂	31	7 ¹ / ₂	23	2 10 6	34	6
24	2 3 0	27	0	24	2 6 0	30	0	24	2 9 0	33	0	24	3 0 0	36	0
25	2 4 1 ¹ / ₂	28	1 ¹ / ₂	25	2 7 3	31	3	25	2 10 4 ¹ / ₂	34	4 ¹ / ₂	25	3 1 6	37	6
26	2 5 3	29	3	26	2 8 6	32	6	26	2 11 9	35	9	26	3 3 0	39	0
27	2 6 4 ¹ / ₂	30	4 ¹ / ₂	27	2 9 9	33	9	27	3 1 1 ¹ / ₂	37	1 ¹ / ₂	27	3 4 6	40	6
28	2 7 6	31	6	28	2 11 0	35	0	28	3 2 6	38	6	28	3 6 0	42	0
29	2 8 7 ¹ / ₂	32	7 ¹ / ₂	29	3 0 3	36	3	29	3 3 10 ¹ / ₂	39	10 ¹ / ₂	29	3 7 6	43	6
30	2 9 9	33	9	30	3 1 6	37	6	30	3 5 3	41	3	30	3 9 0	45	0
31	2 10 10 ¹ / ₂	34	10 ¹ / ₂	31	3 2 9	38	9	31	3 6 7 ¹ / ₂	42	7 ¹ / ₂	31	3 10 6	46	6
32	3 0 0	36	0	32	3 4 0	40	0	32	3 8 0	44	0	32	4 0 0	48	0
33	3 1 1 ¹ / ₂	37	1 ¹ / ₂	33	3 5 3	41	3	33	3 9 4 ¹ / ₂	45	4 ¹ / ₂	33	4 1 6	49	6
34	3 2 3	38	3	34	3 6 6	42	6	34	3 10 9	46	9	34	4 3 0	51	0
35	3 3 4 ¹ / ₂	39	4 ¹ / ₂	35	3 7 9	43	9	35	4 0 1 ¹ / ₂	48	1 ¹ / ₂	35	4 4 6	52	6
36	3 4 6	40	6	36	3 9 0	45	0	36	4 1 6	49	6	36	4 6 0	54	0
37	3 5 7 ¹ / ₂	41	7 ¹ / ₂	37	3 10 3	46	3	37	4 2 10 ¹ / ₂	50	10 ¹ / ₂	37	4 7 6	55	6
38	3 6 9	42	9	38	3 11 6	47	6	38	4 4 3	52	3	38	4 9 0	57	0
39	3 7 10 ¹ / ₂	43	10 ¹ / ₂	39	4 0 9	48	9	39	4 5 7 ¹ / ₂	53	7 ¹ / ₂	39	4 10 6	58	6
40	3 9 0	45	0	40	4 2 0	50	0	40	4 7 0	55	0	40	5 0 0	60	0
41	3 10 1 ¹ / ₂	46	1 ¹ / ₂	41	4 3 3	51	3	41	4 8 4 ¹ / ₂	56	4 ¹ / ₂	41	5 1 6	61	6
42	3 11 3	47	3	42	4 4 6	52	6	42	4 9 9	57	9	42	5 3 0	63	0
43	4 0 4 ¹ / ₂	48	4 ¹ / ₂	43	4 5 9	53	9	43	4 11 1 ¹ / ₂	59	1 ¹ / ₂	43	5 4 6	64	6
44	4 1 6	49	6	44	4 7 0	55	0	44	5 0 6	60	6	44	5 6 0	66	0
45	4 2 7 ¹ / ₂	50	7 ¹ / ₂	45	4 8 3	56	3	45	5 1 10 ¹ / ₂	61	10 ¹ / ₂	45	5 7 6	67	6
46	4 3 9	51	9	46	4 9 6	57	6	46	5 3 3	63	3	46	5 9 0	69	0
47	4 4 10 ¹ / ₂	52	10 ¹ / ₂	47	4 10 9	58	9	47	5 4 7 ¹ / ₂	64	7 ¹ / ₂	47	5 10 6	70	6
48	4 6 0	54	0	48	5 0 0	60	0	48	5 6 0	66	0	48	6 0 0	72	0
49	4 7 1 ¹ / ₂	55	1 ¹ / ₂	49	5 1 3	61	3	49	5 7 4 ¹ / ₂	67	4 ¹ / ₂	49	6 1 6	73	6
50	4 8 3	56	3	50	5 2 6	62	6	50	5 8 9	68	9	50	6 3 0	75	0

5			6			7			8						
Cubic ft. in. pt.			Superfi. ft. in.		Cubic ft. in. pt.			Superfi. ft. in.		Cubic ft. in. pt.			Superfi. ft. in.		
5	0	4	2	4	2	6	0	6	0	6	0	8	0	10	8
6	0	5	0	5	0	7	0	7	0	8	0	9	4	12	0
7	0	5	10	5	10	8	0	8	0	9	0	10	6	13	4
8	0	6	8	6	8	9	0	9	0	10	0	11	8	14	8
9	0	7	6	7	6	10	0	10	0	11	1	0	10	16	0
10	0	8	4	8	4	11	0	11	0	12	1	2	0	17	4
11	0	9	2	9	2	12	1	0	0	13	1	3	2	18	8
12	0	10	0	10	0	13	1	1	0	14	1	4	4	20	0
13	0	10	10	10	10	14	1	2	0	15	1	5	6	21	4
14	0	11	8	11	8	15	1	3	0	16	1	6	8	22	8
15	1	0	6	12	6	16	1	4	0	17	1	7	10	24	0
16	1	1	4	13	4	17	1	5	0	18	1	9	0	25	4
17	1	2	2	14	2	18	1	6	0	19	1	10	2	26	8
18	1	3	0	15	0	19	1	7	0	20	1	11	4	28	0
19	1	3	10	15	10	20	1	8	0	21	2	0	6	29	4
20	1	4	8	16	8	21	1	9	0	22	2	1	8	30	8
21	1	5	6	17	6	22	1	10	0	23	2	2	10	32	0
22	1	6	4	18	4	23	1	11	0	24	2	4	0	33	4
23	1	7	2	19	8	24	2	0	0	25	2	5	2	34	8
24	1	8	0	20	0	25	2	1	0	26	2	6	4	36	0
25	1	8	10	20	10	26	2	2	0	27	2	7	6	37	4
26	1	9	8	21	8	27	2	3	0	28	2	8	8	38	8
27	1	10	6	22	6	28	2	4	0	29	2	9	10	40	0
28	1	11	4	23	4	29	2	5	0	30	2	11	0	41	4
29	2	0	2	24	2	30	2	6	0	31	3	0	2	42	8
30	2	1	0	25	0	31	2	7	0	32	3	1	4	44	0
31	2	1	10	25	10	32	2	8	0	33	3	2	6	45	4
32	2	2	8	26	8	33	2	9	0	34	3	3	8	46	8
33	2	3	6	27	6	34	2	10	0	35	3	4	10	48	0
34	2	4	4	28	4	35	2	11	0	36	3	6	0	49	4
35	2	5	2	29	2	36	3	0	0	37	3	7	2	50	8
36	2	6	0	30	0	37	3	1	0	38	3	8	4	52	0
37	2	6	10	30	10	38	3	2	0	39	3	9	6	53	4
38	2	7	8	31	8	39	3	3	0	40	3	10	8	54	8
39	2	8	6	32	6	40	3	4	0	41	3	11	10	56	0
40	2	9	4	33	4	41	3	5	0	42	4	1	0	57	4
41	2	10	2	34	2	42	3	6	0	43	4	2	2	58	8
42	2	11	0	35	0	43	3	7	0	44	4	3	4	60	0
43	2	11	10	35	10	44	3	8	0	45	4	4	6	61	4
44	3	0	8	36	8	45	3	9	0	46	4	5	8	62	8
45	3	1	6	37	6	46	3	10	0	47	4	6	10	64	0
46	3	2	4	38	4	47	3	11	0	48	4	8	0	65	4
47	3	3	2	39	2	48	4	0	0	49	4	9	2	66	8
48	3	4	0	40	0	49	4	1	0	50	4	10	4		
49	3	4	10	40	10										
50	3	5	8	41	8										

9				10				11				12			
Cubic. Superfi.				Cubic Superfi.				Cubic Superfi.				Cubic Superfi.			
ft in. pt. ft. in.				ft. in. pt. ft. in.				ft. in. pt. ft. in.				ft. in. pt. ft. in.			
9	1	1	6	13	6			10	1	4	8	16	8		
10	1	3	0	15	0			11	1	6	4	18	4		
11	1	4	6	16	6			12	1	8	0	20	0		
12	1	6	0	18	0			13	1	9	8	21	8		
13	1	7	6	19	6			14	1	11	4	23	4		
14	1	9	0	21	0			15	2	1	0	25	0		
15	1	10	6	22	6			16	2	2	8	26	8		
16	2	0	0	24	0			17	2	4	4	28	4		
17	2	1	6	25	6			18	2	6	0	30	0		
18	2	3	0	27	0			19	2	7	8	31	8		
19	2	4	6	28	6			20	2	9	4	33	4		
20	2	6	0	30	0			21	2	11	0	35	0		
21	2	7	6	31	6			22	3	0	8	36	8		
22	2	9	0	33	0			23	3	2	4	38	4		
23	2	10	6	34	6			24	3	4	0	40	0		
24	3	0	0	36	0			25	3	5	8	41	8		
25	3	1	6	37	6			26	3	7	4	43	4		
26	3	3	0	39	0			27	3	9	0	45	0		
27	3	4	6	40	6			28	3	10	8	46	8		
28	3	6	0	42	0			29	4	0	4	48	4		
29	3	7	6	43	6			30	4	2	0	50	0		
30	3	9	0	45	0			31	4	3	8	51	8		
31	3	10	6	46	6			32	4	5	4	53	4		
32	4	0	0	48	0			33	4	7	0	55	0		
33	4	1	6	49	6			34	4	8	8	56	8		
34	4	3	0	51	0			35	5	0	6	60	6		
35	4	4	6	52	6			36	5	2	4	62	4		
36	4	6	0	54	0			37	5	4	2	64	2		
37	4	7	6	55	6			38	5	6	0	66	0		
38	4	9	0	57	0			39	5	7	10	67	10		
39	4	10	6	58	6			40	5	9	8	69	8		
40	5	0	0	60	0			41	5	11	6	71	6		
41	5	1	6	61	6			42	6	1	4	73	4		
42	5	3	0	63	0			43	6	3	2	75	2		
43	5	4	6	64	6			44	6	5	0	77	0		
44	5	6	0	66	0			45	6	6	10	78	10		
45	5	7	6	67	6			46	6	8	8	80	8		
46	5	9	0	69	5			47	6	10	6	82	6		
47	5	10	6	70	6			48	7	0	4	84	4		
48	6	0	0	72	0			49	7	2	2	86	2		
49	6	1	6	73	6			50	7	4	0	88	0		
50	6	3	0	75	0				7	5	10	89	10		
												91	8		

5					6					7					8				
Cubic ft. in. pt.				Superfi. ft. in.	Cubic ft. in. pt.				Superfi. ft. in.	Cubic ft. in. pt.				Superfi. ft. in.	Cubic ft. in. pt.				Superfi. ft. in.
5	0	5	2½	5 2½	6	0	7	6	7 6	7	0	10	2½	10 2½	8	1	1	4	13 4
6	0	6	3	6 3	7	0	8	9	8 9	8	0	11	8	11 8	9	1	3	0	15 0
7	0	7	3½	7 3½	8	0	10	0	10 0	9	1	1	1½	13 1½	10	1	4	8	16 8
8	0	8	4	8 4	9	0	11	3	11 3	10	1	2	7	14 7	11	1	6	4	18 4
9	0	9	4½	9 4½	10	1	0	6	12 6	11	1	4	0½	16 0½	12	1	8	0	20 0
10	0	10	5	10 5	11	1	1	9	13 9	12	1	5	6	17 6	13	1	9	8	21 8
11	0	11	5½	11 5½	12	1	3	0	15 0	13	1	6	11½	18 11½	14	1	11	4	23 4
12	1	0	6	12 6	13	1	4	3	16 3	14	1	8	5	20 5	15	2	1	0	25 0
13	1	1	6½	13 6½	14	1	5	6	17 6	15	1	9	10½	21 10½	16	2	2	8	26 8
14	1	2	7	14 7	15	1	6	9	18 9	16	1	11	4	23 4	17	2	4	4	28 4
15	1	3	7½	15 7½	16	1	8	0	20 0	17	2	0	9½	24 9½	18	2	6	0	30 0
16	1	4	8	16 8	17	1	9	3	21 3	18	2	2	3	26 3	19	2	7	8	31 8
17	1	5	8½	17 8½	18	1	10	6	22 6	19	2	3	8½	27 8½	20	2	9	4	33 4
18	1	6	9	18 9	19	1	11	9	23 9	20	2	5	2	29 2	21	2	11	0	35 0
19	1	7	9½	19 9½	20	2	1	0	25 0	21	2	6	7½	30 7½	22	3	0	8	36 8
20	1	8	10	20 10	21	2	2	3	26 3	22	2	8	1	32 1	23	3	2	4	38 4
21	1	9	10½	21 10½	22	2	3	6	27 6	23	2	9	6½	33 6½	24	3	4	0	40 0
22	1	10	11	22 11	23	2	4	9	28 9	24	2	11	0	35 0	25	3	5	8	41 8
23	1	11	11½	23 11½	24	2	6	0	30 0	25	3	0	5½	36 5½	26	3	7	4	43 4
24	2	1	0	25 0	25	2	7	3	31 3	26	3	1	11	37 11	27	3	9	0	45 0
25	2	2	0½	26 0½	26	2	8	6	32 6	27	3	3	4½	39 4½	28	3	10	8	46 8
26	2	3	1	27 1	27	2	9	9	33 9	28	3	4	10	40 10	29	4	0	4	48 4
27	2	4	1½	28 1½	28	2	11	0	35 0	29	3	6	3½	42 3½	30	4	2	0	50 0
28	2	5	2	29 2	29	3	0	3	36 3	30	3	7	9	43 9	31	4	3	8	51 8
29	2	6	2½	30 2½	30	3	1	6	37 6	31	3	9	2½	45 2½	32	4	5	4	53 4
30	2	7	3	31 3	31	3	2	9	38 9	32	3	10	8	46 8	33	4	7	0	55 0
31	2	8	3½	32 3½	32	3	4	0	40 0	33	4	0	1½	48 1½	34	4	8	8	56 8
32	2	9	4	33 4	33	3	5	3	41 3	34	4	1	7	49 7	35	4	10	4	58 4
33	2	10	4½	34 4½	34	3	6	6	42 6	35	4	3	0½	51 0½	36	5	0	0	60 0
34	2	11	5	35 5	35	3	7	9	43 9	36	4	4	6	52 6	37	5	1	8	61 8
35	3	0	5½	36 5½	36	3	9	0	45 0	37	4	5	11½	53 11½	38	5	3	4	63 4
36	3	1	6	37 6	37	3	10	3	46 3	38	4	7	5	55 5	39	5	5	0	65 0
37	3	2	6½	38 6½	38	3	11	6	47 6	39	4	8	10½	56 10½	40	5	6	8	66 8
38	3	3	7	39 7	39	4	0	9	48 9	40	4	10	4	58 4	41	5	8	4	68 4
39	3	4	7½	40 7½	40	4	2	0	50 0	41	4	11	9½	59 9½	42	5	10	0	70 0
40	3	5	8	41 8	41	4	3	3	51 3	42	5	1	3	61 3	43	5	11	8	71 8
41	3	6	8½	42 8½	42	4	4	6	52 6	43	5	2	8½	62 8½	44	6	1	4	73 4
42	3	7	9	43 9	43	4	5	9	53 9	44	5	4	2	64 2	45	6	3	0	75 0
43	3	8	9½	44 9½	44	4	7	0	55 0	45	5	5	7½	65 7½	46	6	4	8	76 8
44	3	9	10	45 10	45	4	8	3	56 3	46	5	7	1	67 1	47	6	6	4	78 4
45	3	10	10½	46 10½	46	4	9	6	57 6	47	5	8	6½	68 6½	48	6	8	0	80 0
46	3	11	11	47 11	47	4	10	9	58 9	48	5	10	0	70 0	49	6	9	8	81 8
47	4	0	11½	48 11½	48	5	0	0	60 0	49	5	11	5½	71 5½	50	6	11	4	83 4
48	4	2	0	50 0	49	5	1	3	61 3	50	6	0	11	72 11					
49	4	3	0½	51 0½	50	5	2	6	62 6										
50	4	4	1	52 1															

9				10				11				12			
		Cubic	Superfi.			Cubic	Superfi.			Cubic	Superfi.			Cubic	Superfi.
		ft. in. pt.	ft. in.			ft. in. pt.	ft. in.			ft. in. pt.	ft. in.			ft. in. pt.	ft. in.
9	1	4 10 $\frac{1}{2}$	16 10 $\frac{1}{2}$	10	1	8 10	20 10	11	2	1 2 $\frac{1}{2}$	25 2 $\frac{1}{2}$	12	2	6 0	30 0
10	1	6 9	18 9	11	1	10 11	22 11	12	2	3 6	27 6	13	2	8 6	32 6
11	1	8 7 $\frac{1}{2}$	20 7 $\frac{1}{2}$	12	2	1 0	25 0	13	2	5 9 $\frac{1}{2}$	29 9 $\frac{1}{2}$	14	2	11 0	35 0
12	1	10 6	22 6	13	2	3 1	27 1	14	2	8 1	32 1	15	3	1 6	37 6
13	2	0 4 $\frac{1}{2}$	24 4 $\frac{1}{2}$	14	2	5 2	29 2	15	2	10 4 $\frac{1}{2}$	34 4 $\frac{1}{2}$	16	3	4 0	40 0
14	2	2 3	26 3	15	2	7 3	31 3	16	3	0 8	36 8	17	3	6 6	42 6
15	2	4 1 $\frac{1}{2}$	28 1 $\frac{1}{2}$	16	2	9 4	33 4	17	3	2 11 $\frac{1}{2}$	39 11 $\frac{1}{2}$	18	3	9 0	45 0
16	2	6 0	30 0	17	2	11 5	35 5	18	3	5 3	41 3	19	3	11 6	47 6
17	2	7 10 $\frac{1}{2}$	31 10 $\frac{1}{2}$	18	3	1 6	37 6	19	3	7 6 $\frac{1}{2}$	43 6 $\frac{1}{2}$	20	4	2 0	50 0
18	2	9 9	33 9	19	3	3 7	39 7	20	3	9 10	45 10	21	4	4 6	52 6
19	2	11 7 $\frac{1}{2}$	35 7 $\frac{1}{2}$	20	3	5 8	41 8	21	4	0 1 $\frac{1}{2}$	48 1 $\frac{1}{2}$	22	4	7 0	55 0
20	3	1 6	37 6	21	3	7 9	43 9	22	4	2 5	50 5	23	4	9 6	57 6
21	3	3 4 $\frac{1}{2}$	39 4 $\frac{1}{2}$	22	3	9 10	45 10	23	4	4 8 $\frac{1}{2}$	52 8 $\frac{1}{2}$	24	5	0 0	60 0
22	3	5 3	41 3	23	3	11 11	47 11	24	4	7 0	55 0	25	5	2 6	62 6
23	3	7 1 $\frac{1}{2}$	43 1 $\frac{1}{2}$	24	4	2 0	50 0	25	4	9 3 $\frac{1}{2}$	57 3 $\frac{1}{2}$	26	5	5 0	65 0
24	3	9 0	45 0	25	4	4 1	52 1	26	4	11 7	59 7	27	5	7 6	67 6
25	3	10 10 $\frac{1}{2}$	46 10 $\frac{1}{2}$	26	4	6 2	54 2	27	5	1 10 $\frac{1}{2}$	61 10 $\frac{1}{2}$	28	5	10 0	70 0
26	4	0 9	48 9	27	4	8 3	56 3	28	5	4 2	64 2	29	6	0 6	72 6
27	4	2 7 $\frac{1}{2}$	50 7 $\frac{1}{2}$	28	4	10 4	58 4	29	5	6 5 $\frac{1}{2}$	66 5 $\frac{1}{2}$	30	6	3 0	75 0
28	4	4 6	52 6	29	5	0 5	60 5	30	5	8 9	68 9	31	6	5 6	77 6
29	4	6 4 $\frac{1}{2}$	54 4 $\frac{1}{2}$	30	5	2 6	62 6	31	5	11 0 $\frac{1}{2}$	71 0 $\frac{1}{2}$	32	6	8 0	80 0
30	4	8 3	56 3	31	5	4 7	64 7	32	6	1 4	73 4	33	6	10 6	82 6
31	4	10 1 $\frac{1}{2}$	58 1 $\frac{1}{2}$	32	5	6 8	66 8	33	6	3 7 $\frac{1}{2}$	75 7 $\frac{1}{2}$	34	7	1 0	85 0
32	5	0 0	60 0	33	5	8 9	68 9	34	6	5 11	77 11	35	7	3 6	87 6
33	5	1 10 $\frac{1}{2}$	61 10 $\frac{1}{2}$	34	5	10 10	70 10	35	6	8 2 $\frac{1}{2}$	80 2 $\frac{1}{2}$	36	7	6 0	90 0
34	5	3 9	63 9	35	6	0 11	72 11	36	6	10 6	82 6	37	7	8 6	92 6
35	5	5 7 $\frac{1}{2}$	65 7 $\frac{1}{2}$	36	6	3 0	75 0	37	7	0 9 $\frac{1}{2}$	84 9 $\frac{1}{2}$	38	7	11 0	95 0
36	5	7 6	67 6	37	6	5 1	77 1	38	7	3 1	87 1	39	8	1 6	97 6
37	5	9 4 $\frac{1}{2}$	69 4 $\frac{1}{2}$	38	6	7 2	79 2	39	7	5 4 $\frac{1}{2}$	89 4 $\frac{1}{2}$	40	8	4 0	100 0
38	5	11 3	71 3	39	6	9 3	81 3	40	7	7 8	91 8	41	8	6 6	102 6
39	6	1 1 $\frac{1}{2}$	73 1 $\frac{1}{2}$	40	6	11 4	83 4	41	7	9 11 $\frac{1}{2}$	93 11 $\frac{1}{2}$	42	8	9 0	105 0
40	6	3 0	75 0	41	7	1 5	85 5	42	8	0 3	96 3	43	8	11 6	107 6
41	6	4 10 $\frac{1}{2}$	76 10 $\frac{1}{2}$	42	7	3 6	87 6	43	8	2 6 $\frac{1}{2}$	98 6 $\frac{1}{2}$	44	9	2 0	110 0
42	6	6 9	78 9	43	7	5 7	89 7	44	8	4 10	100 10	45	9	4 6	112 6
43	6	8 7 $\frac{1}{2}$	80 7 $\frac{1}{2}$	44	7	7 8	91 8	45	8	7 1 $\frac{1}{2}$	103 1 $\frac{1}{2}$	46	9	7 0	115 0
44	6	10 6	82 6	45	7	9 9	93 9	46	8	9 5	105 5	47	9	9 6	117 6
45	7	0 4 $\frac{1}{2}$	84 4 $\frac{1}{2}$	46	7	11 10	95 10	47	8	11 8 $\frac{1}{2}$	107 8 $\frac{1}{2}$	48	10	0 0	120 0
46	7	2 3	86 3	47	8	1 11	97 11	48	9	2 0	110 0	49	10	2 6	122 6
47	7	4 1 $\frac{1}{2}$	88 1 $\frac{1}{2}$	48	8	4 0	100 0	49	9	4 3 $\frac{1}{2}$	112 3 $\frac{1}{2}$	50	10	5 0	125 0
48	7	6 0	90 0	49	8	6 1	102 1	50	9	6 7	114 7				
49	7	7 10 $\frac{1}{2}$	91 10 $\frac{1}{2}$	50	8	8 2	104 2								
50	7	9 9	93 9												

5			6			7			8		
	Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. m.
5	0 6 3	6 3	6	0 9 0	9 0	7	1 0 3	12 3	8	1 4 0	16 0
6	0 7 6	7 6	7	0 9 6	9 6	8	1 2 0	14 0	9	1 6 0	18 0
7	0 8 9	8 9	8	0 11 0	11 0	9	1 3 9	15 9	10	1 8 0	20 0
8	0 10 0	10 0	9	1 0 6	12 6	10	1 5 6	17 6	11	1 10 0	22 0
9	0 11 3	11 3	10	1 2 0	14 0	11	1 7 3	19 3	12	2 0 0	24 0
10	1 0 6	12 6	11	1 3 6	15 6	12	1 9 0	21 0	13	2 2 0	26 0
11	1 1 9	13 9	12	1 5 0	17 0	13	1 10 9	22 9	14	2 4 0	28 0
12	1 3 0	15 0	13	1 6 6	18 6	14	2 0 6	24 6	15	2 6 0	30 0
13	1 4 3	16 3	14	1 8 0	20 0	15	2 2 3	26 3	16	2 8 0	32 0
14	1 5 6	17 6	15	1 9 6	21 6	16	2 4 0	28 0	17	2 10 0	34 0
15	1 6 9	18 9	16	1 11 0	23 0	17	2 5 9	29 9	18	3 0 0	36 0
16	1 8 0	20 0	17	2 0 6	24 6	18	2 7 6	31 6	19	3 2 0	38 0
17	1 9 3	21 3	18	2 2 0	26 0	19	2 9 3	33 3	20	3 4 0	40 0
18	1 10 6	22 6	19	2 3 6	27 6	20	2 11 0	35 0	21	3 6 0	42 0
19	1 11 9	23 9	20	2 5 0	29 0	21	3 0 9	36 9	22	3 8 0	44 0
20	2 1 0	25 0	21	2 7 6	31 6	22	3 2 6	38 6	23	3 10 0	46 0
21	2 2 3	26 3	22	2 9 0	33 0	23	3 4 3	40 3	24	4 0 0	48 0
22	2 3 6	27 6	23	2 10 6	34 6	24	3 6 0	42 0	25	4 2 0	50 0
23	2 4 9	28 9	24	3 0 0	36 0	25	3 7 9	43 9	26	4 4 0	52 0
24	2 6 0	30 0	25	3 1 6	37 6	26	3 9 6	45 6	27	4 6 0	54 0
25	2 7 3	31 3	26	3 3 0	39 0	27	3 11 3	47 3	28	4 8 0	56 0
26	2 8 6	32 6	27	3 4 6	40 6	28	4 1 0	49 0	29	4 10 0	58 0
27	2 9 9	33 9	28	3 6 0	42 0	29	4 2 9	50 9	30	5 0 0	60 0
28	2 11 0	35 0	29	3 7 6	43 6	30	4 4 6	52 6	31	5 2 0	62 0
29	3 0 3	36 3	30	3 9 0	45 0	31	4 6 3	54 3	32	5 4 0	64 0
30	3 1 6	37 6	31	3 10 6	46 6	32	4 8 0	56 0	33	5 6 0	66 0
31	3 2 9	38 9	32	4 0 0	48 0	33	4 9 9	57 9	34	5 8 0	68 0
32	3 4 0	40 0	33	4 1 6	49 6	34	4 11 6	59 6	35	5 10 0	70 0
33	3 5 3	41 3	34	4 3 0	51 0	35	5 1 3	61 3	36	6 0 0	72 0
34	3 6 6	42 6	35	4 4 6	52 6	36	5 3 0	63 0	37	6 2 0	74 0
35	3 7 9	43 9	36	4 6 0	54 0	37	5 4 9	64 9	38	6 4 0	76 0
36	3 9 0	45 0	37	4 7 6	55 6	38	5 6 6	66 6	39	6 6 0	78 0
37	3 10 3	46 3	38	4 9 0	57 0	39	5 8 3	68 3	40	6 8 0	80 0
38	3 11 6	47 6	39	4 10 6	58 6	40	5 10 0	70 0	41	6 10 0	82 0
39	4 0 9	48 9	40	5 0 0	60 0	41	5 11 9	71 9	42	7 0 0	84 0
40	4 2 0	50 0	41	5 1 6	61 6	42	6 1 6	73 6	43	7 2 0	86 0
41	4 3 3	51 3	42	5 3 0	63 0	43	6 3 3	75 3	44	7 4 0	88 0
42	4 4 6	52 6	43	5 4 6	64 6	44	6 5 0	77 0	45	7 6 0	90 0
43	4 5 9	53 9	44	5 6 0	66 0	45	6 6 9	78 9	46	7 8 0	92 0
44	4 7 0	55 0	45	5 7 6	67 6	46	6 8 6	80 6	47	7 10 0	94 0
45	4 8 3	56 3	46	5 9 0	69 0	47	6 10 3	82 3	48	8 0 0	96 0
46	4 9 6	57 6	47	5 10 6	70 6	48	7 0 0	84 0	49	8 2 0	98 0
47	4 10 9	58 9	48	6 0 0	72 0	49	7 1 9	85 9	50	8 4 0	100 0
48	5 0 0	60 0	49	6 1 6	73 6	50	7 3 6	87 6			
49	5 1 3	61 3	50	6 3 0	75 0						
50	5 2 6	62 6									

9			10			11			12		
	Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.
9	1 8 3	20 3	10	2 1 0	25 0	11	2 6 3	30 3	12	3 0 0	36 0
10	1 10 6	22 6	11	2 3 6	27 6	12	2 9 0	33 0	13	3 3 0	39 0
11	2 0 9	24 9	12	2 6 0	30 0	13	2 11 9	35 9	14	3 6 0	42 0
12	2 3 0	27 0	13	2 8 6	32 6	14	3 2 6	38 6	15	3 9 0	45 0
13	2 5 3	29 3	14	2 11 0	35 0	15	3 5 3	41 3	16	4 0 0	48 0
14	2 7 6	31 6	15	3 1 6	37 6	16	3 8 0	44 0	17	4 3 0	51 0
15	2 9 9	33 9	16	3 4 0	40 0	17	3 10 9	46 9	18	4 6 0	54 0
16	3 0 0	36 0	17	3 6 6	42 6	18	4 1 6	49 6	19	4 9 0	57 0
17	3 2 3	38 3	18	3 9 0	45 0	19	4 4 3	52 3	20	5 0 0	60 0
18	3 4 6	40 6	19	3 11 6	47 6	20	4 7 0	55 0	21	5 3 0	63 0
19	3 6 9	42 9	20	4 2 0	50 0	21	4 9 9	57 9	22	5 6 0	66 0
20	3 9 0	45 0	21	4 4 6	52 6	22	5 0 6	60 6	23	5 9 0	69 0
21	3 11 3	47 3	22	4 7 0	55 0	23	5 3 3	63 3	24	6 0 0	72 0
22	4 1 6	49 6	23	4 9 6	57 6	24	5 6 0	66 0	25	6 3 0	75 0
23	4 3 9	51 9	24	5 0 0	60 0	25	5 8 9	68 9	26	6 6 0	78 0
24	4 6 0	54 0	25	5 2 6	62 6	26	5 11 6	71 6	27	6 9 0	81 0
25	4 8 3	56 3	26	5 5 0	65 0	27	6 2 3	74 3	28	7 0 0	84 0
26	4 10 6	58 6	27	5 7 6	67 6	28	6 5 0	77 0	29	7 3 0	87 0
27	5 0 9	60 9	28	5 10 0	70 0	29	6 7 9	79 9	30	7 6 0	90 0
28	5 3 0	63 0	29	6 0 6	72 6	30	6 10 6	82 6	31	7 9 0	93 0
29	5 5 3	65 3	30	6 3 0	75 0	31	7 1 3	85 3	32	8 0 0	96 0
30	5 7 6	67 6	31	6 5 6	77 6	32	7 4 0	88 0	33	8 3 0	99 0
31	5 9 9	69 9	32	6 8 0	80 0	33	7 6 9	90 9	34	8 6 0	102 0
32	6 0 0	72 0	33	6 10 6	82 6	34	7 9 6	93 6	35	8 9 0	105 0
33	6 2 3	74 3	34	7 1 0	85 0	35	8 0 3	96 3	36	9 0 0	108 0
34	6 4 6	76 6	35	7 3 6	87 6	36	8 3 0	99 0	37	9 3 0	111 0
35	6 6 9	78 9	36	7 6 0	90 0	37	8 5 9	101 9	38	9 6 0	114 0
36	6 9 0	81 0	37	7 8 6	92 6	38	8 8 6	104 6	39	9 9 0	117 0
37	6 11 3	83 3	38	7 11 0	95 0	39	8 11 3	107 3	40	10 0 0	120 0
38	7 1 6	85 6	39	8 1 6	97 6	40	9 2 0	110 0	41	10 3 0	123 0
39	7 3 9	87 9	40	8 4 0	100 0	41	9 4 9	112 9	42	10 6 0	126 0
40	7 6 0	90 0	41	8 6 6	102 6	42	9 7 6	115 6	43	10 9 0	129 0
41	7 8 3	92 3	42	8 9 0	105 0	43	9 10 3	118 3	44	11 0 0	132 0
42	7 10 6	94 6	43	8 11 6	107 6	44	10 1 0	121 0	45	11 3 0	135 0
43	8 0 9	96 9	44	9 2 0	110 0	45	10 3 9	123 9	46	11 6 0	138 0
44	8 3 0	99 0	45	9 4 6	112 6	46	10 6 6	126 6	47	11 9 0	141 0
45	8 5 3	101 3	46	9 7 0	115 0	47	10 9 3	129 3	48	12 0 0	144 0
46	8 7 6	103 6	47	9 9 6	117 6	48	11 0 0	132 0	49	12 3 0	147 0
47	8 9 9	105 9	48	10 0 0	120 0	49	11 2 9	134 9	50	12 6 0	150 0
48	9 0 0	108 0	49	10 2 6	122 6	50	11 5 6	137 6			
49	9 2 3	110 3	50	10 5 0	125 0						
50	9 4 6	112 6									

5					6					7					8				
Cubic ft. in. pt.				Superfi. ft. in.	Cubic ft. in. pt.				Superfi. ft. in.	Cubic ft. in. pt.				Superfi. ft. in.	Cubic ft. in. pt.				Superfi. ft. in.
5	0	7	3½	7 3½	6	0	10	6	10 6	7	1	2	3½	14 3½	8	1	6	8	18 8
6	0	8	9	8 9	7	1	0	3	12 3	8	1	4	4	16 4	9	1	9	0	21 0
7	0	10	2½	10 2½	8	1	2	0	14 0	9	1	6	4½	18 4½	10	1	11	4	23 4
8	0	11	8	11 8	9	1	3	9	15 9	10	1	8	5	20 5	11	2	1	8	25 8
9	1	1	1½	13 1½	10	1	5	6	17 6	11	1	10	5½	22 5½	12	2	4	0	28 0
10	1	2	7	14 7	11	1	7	3	19 3	12	2	0	6	24 6	13	2	6	4	30 4
11	1	4	0½	16 0½	12	1	9	0	21 0	13	2	2	6½	26 6½	14	2	8	8	32 8
12	1	5	6	17 6	13	1	10	9	22 9	14	2	4	7	28 7	15	2	11	0	35 0
13	1	6	11½	18 11½	14	2	0	6	24 6	15	2	6	7½	30 7½	16	3	1	4	37 4
14	1	8	5	20 5	15	2	2	3	26 3	16	2	8	8	32 8	17	3	3	8	39 8
15	1	9	10½	21 10½	16	2	4	0	28 0	17	2	10	8½	34 8½	18	3	6	0	42 0
16	1	11	4	23 4	17	2	5	9	29 9	18	3	0	9	36 9	19	3	8	4	44 4
17	2	0	9½	24 9½	18	2	7	6	31 6	19	3	2	9½	38 9½	20	3	10	8	46 8
18	2	2	3	26 3	19	2	9	3	33 3	20	3	4	10	40 10	21	4	1	0	49 0
19	2	3	8½	27 8½	20	2	11	0	35 0	21	3	6	10½	42 10½	22	4	3	4	51 4
20	2	5	2	29 2	21	3	0	9	36 9	22	3	8	11	44 11	23	4	5	8	53 8
21	2	6	7½	30 7½	22	3	2	6	38 6	23	3	10	11½	46 11½	24	4	8	0	56 0
22	2	8	1	32 1	23	3	4	3	40 3	24	4	1	0	49 0	25	4	10	4	58 4
23	2	9	6½	33 6½	24	3	6	0	42 0	25	4	3	0½	51 0½	26	5	0	8	60 8
24	2	11	0	35 0	25	3	7	9	43 9	26	4	5	1	53 1	27	5	3	0	63 0
25	3	0	5½	36 5½	26	3	9	6	45 6	27	4	7	1½	55 1½	28	5	5	4	65 4
26	3	1	11	37 11	27	3	11	3	47 3	28	4	9	2	57 2	29	5	7	8	67 8
27	3	3	4½	39 4½	28	4	1	0	49 0	29	4	11	2½	59 2½	30	5	10	0	70 0
28	3	4	10	40 10	29	4	2	9	50 9	30	5	1	3	61 3	31	6	0	4	72 4
29	3	6	3½	42 3½	30	4	4	6	52 6	31	5	3	3½	63 3½	32	6	2	8	74 8
30	3	7	9	43 9	31	4	6	3	54 3	32	5	5	4	65 4	33	6	5	0	77 0
31	3	9	2½	45 2½	32	4	8	0	56 0	33	5	7	4½	67 4½	34	6	7	4	79 4
32	3	10	8	46 8	33	4	9	9	57 9	34	5	9	5	69 5	35	6	9	8	81 8
33	4	0	1½	48 1½	34	4	11	6	59 6	35	5	11	5½	71 5½	36	7	0	0	84 0
34	4	1	7	49 7	35	5	1	3	61 3	36	6	1	6	73 6	37	7	2	4	86 4
35	4	3	0½	51 0½	36	5	3	0	63 0	37	6	3	6½	75 6½	38	7	4	8	88 8
36	4	4	6	52 6	37	5	4	9	64 9	38	6	5	7	77 7	39	7	7	0	91 0
37	4	5	11½	53 11½	38	5	6	6	66 6	39	6	7	7½	79 7½	40	7	9	4	93 4
38	4	7	5	55 5	39	5	8	3	68 3	40	6	9	8	81 8	41	7	11	8	95 8
39	4	8	10½	56 10½	40	5	10	0	70 0	41	6	11	8½	83 8½	42	8	2	0	98 0
40	4	10	4	58 4	41	5	11	9	71 9	42	7	1	9	85 9	43	8	4	4	100 4
41	4	11	9½	59 9½	42	6	1	6	73 6	43	7	3	9½	87 9½	44	8	6	8	102 8
42	5	1	3	61 3	43	6	3	3	75 3	44	7	5	10	89 10	45	8	9	0	105 0
43	5	2	8½	62 8½	44	6	5	0	77 0	45	7	7	10½	91 10½	46	8	11	4	107 4
44	5	4	2	64 2	45	6	6	9	78 9	46	7	9	11	93 11	47	9	1	8	109 8
45	5	5	7½	65 7½	46	6	8	6	80 6	47	7	11	11½	95 11½	48	9	4	0	112 0
46	5	7	1	67 1	47	6	10	3	82 3	48	8	2	0	98 0	49	9	6	4	114 4
47	5	8	6½	68 6½	48	7	0	0	84 0	49	8	4	0½	100 0½	50	9	8	8	116 8
49	5	10	0	70 0	49	7	1	9	85 9	50	8	6	1	102 1					
49	5	11	5½	71 5½	50	7	3	6	87 6										
50	6	0	11	72 11															

9

10

11

12

	Cubic ft. in. pt.			Superfi. ft. in.			Cubic ft. in. pt.			Superfi. ft. in.			Cubic ft. in. pt.			Superfi. ft. in.			Cubic ft. in. pt.			Superfi. ft. in.	
9	1	11	7 $\frac{1}{2}$	23	7 $\frac{1}{2}$	10	2	5	2	29	2	11	2	11	3 $\frac{1}{2}$	35	3 $\frac{1}{2}$	12	3	6	0	42	0
10	2	2	3	26	3	11	2	8	1	32	1	12	3	2	6	38	6	13	3	9	6	45	6
11	2	4	10 $\frac{1}{2}$	28	10 $\frac{1}{2}$	12	2	11	0	35	0	13	3	5	8 $\frac{1}{2}$	41	8 $\frac{1}{2}$	14	4	1	0	49	0
12	2	7	6	31	6	13	3	1	11	37	11	14	3	8	11	44	11	15	4	4	6	52	6
13	2	10	1 $\frac{1}{2}$	34	1 $\frac{1}{2}$	14	3	4	10	40	10	15	4	0	1 $\frac{1}{2}$	48	1 $\frac{1}{2}$	16	4	8	0	56	0
14	3	0	9	36	9	15	3	7	9	43	9	16	4	3	4	51	4	17	4	11	6	59	6
15	3	3	4 $\frac{1}{2}$	39	4 $\frac{1}{2}$	16	3	10	8	46	8	17	4	6	6 $\frac{1}{2}$	54	6 $\frac{1}{2}$	18	5	3	0	63	0
16	3	6	0	42	0	17	4	1	7	49	7	18	4	9	9	57	9	19	5	6	6	66	6
17	3	8	7 $\frac{1}{2}$	44	7 $\frac{1}{2}$	18	4	4	6	52	6	19	5	0	11 $\frac{1}{2}$	60	11 $\frac{1}{2}$	20	5	10	0	70	0
18	3	11	3	47	3	19	4	7	5	55	5	20	5	4	2	64	2	21	6	1	6	73	6
19	4	1	10 $\frac{1}{2}$	49	10 $\frac{1}{2}$	20	4	10	4	58	4	21	5	7	4 $\frac{1}{2}$	67	4 $\frac{1}{2}$	22	6	5	0	77	0
20	4	4	6	52	6	21	5	1	3	61	3	22	5	10	7	70	7	23	6	8	6	80	6
21	4	7	1 $\frac{1}{2}$	55	1 $\frac{1}{2}$	22	5	4	2	64	2	23	6	1	9 $\frac{1}{2}$	73	9 $\frac{1}{2}$	24	7	0	0	84	0
22	4	9	9	57	9	23	5	7	1	67	1	24	6	5	0	77	0	25	7	3	6	87	6
23	5	0	4 $\frac{1}{2}$	60	4 $\frac{1}{2}$	24	5	10	0	70	0	25	6	8	2 $\frac{1}{2}$	80	2 $\frac{1}{2}$	26	7	7	0	91	0
24	5	3	0	63	0	25	6	0	11	72	11	26	6	11	5	83	5	27	7	10	6	94	6
25	5	5	7 $\frac{1}{2}$	65	7 $\frac{1}{2}$	26	6	3	10	75	10	27	7	2	7 $\frac{1}{2}$	86	7 $\frac{1}{2}$	28	8	2	0	98	0
26	5	8	3	68	3	27	6	6	9	78	9	28	7	5	10	89	10	29	8	5	6	101	6
27	5	10	10 $\frac{1}{2}$	70	10 $\frac{1}{2}$	28	6	9	8	81	8	29	7	9	0 $\frac{1}{2}$	93	0 $\frac{1}{2}$	30	8	9	0	105	0
28	6	1	6	73	6	29	7	0	7	84	7	30	8	0	3	96	3	31	9	0	6	108	6
29	6	4	1 $\frac{1}{2}$	76	1 $\frac{1}{2}$	30	7	3	6	87	6	31	8	3	5 $\frac{1}{2}$	99	5 $\frac{1}{2}$	32	9	4	0	112	0
30	6	6	9	78	9	31	7	6	5	90	5	32	8	6	8	102	8	33	9	7	6	115	6
31	6	9	4 $\frac{1}{2}$	81	4 $\frac{1}{2}$	32	7	9	4	93	4	33	8	9	10 $\frac{1}{2}$	105	10 $\frac{1}{2}$	34	9	11	0	119	0
32	7	0	0	84	0	33	8	0	3	96	3	34	9	1	1	109	1	35	10	2	6	122	6
33	7	2	7 $\frac{1}{2}$	86	7 $\frac{1}{2}$	34	8	3	2	99	2	35	9	4	3 $\frac{1}{2}$	112	3 $\frac{1}{2}$	36	10	6	0	126	0
34	7	5	3	89	3	35	8	6	1	102	1	36	9	7	6	115	6	37	10	9	6	129	6
35	7	7	10 $\frac{1}{2}$	91	10 $\frac{1}{2}$	36	8	9	0	105	0	37	9	10	8 $\frac{1}{2}$	118	8 $\frac{1}{2}$	38	11	1	0	133	0
36	7	10	6	94	6	37	8	11	11	107	11	38	10	1	11	121	11	39	11	4	6	136	6
37	8	1	1 $\frac{1}{2}$	97	1 $\frac{1}{2}$	38	9	2	10	110	10	39	10	5	1 $\frac{1}{2}$	125	2 $\frac{1}{2}$	40	11	8	0	140	0
38	8	3	9	99	9	39	9	5	9	113	9	40	10	8	4	128	4	41	11	11	6	143	6
39	8	6	4 $\frac{1}{2}$	102	4 $\frac{1}{2}$	40	9	8	8	116	8	41	10	11	6 $\frac{1}{2}$	131	6 $\frac{1}{2}$	42	12	3	0	147	0
40	8	9	0	105	0	41	9	11	7	119	7	42	11	2	9	134	9	43	12	6	6	150	6
41	8	11	7 $\frac{1}{2}$	107	7 $\frac{1}{2}$	42	10	2	6	122	6	43	11	5	11 $\frac{1}{2}$	137	11 $\frac{1}{2}$	44	12	10	0	154	0
42	9	2	3	110	3	43	10	5	5	125	5	44	11	9	2	141	2	45	13	1	6	157	6
43	9	4	10 $\frac{1}{2}$	112	10 $\frac{1}{2}$	44	10	8	4	128	4	45	12	0	4 $\frac{1}{2}$	144	4 $\frac{1}{2}$	46	13	5	0	161	0
44	9	7	6	115	6	45	10	11	3	131	3	46	12	3	7	147	7	47	13	8	6	164	6
45	9	10	1 $\frac{1}{2}$	118	1 $\frac{1}{2}$	46	11	2	2	134	2	47	12	6	9 $\frac{1}{2}$	150	9 $\frac{1}{2}$	48	14	0	0	168	0
46	10	0	9	120	9	47	11	5	1	137	1	48	12	10	0	154	0	49	14	3	6	171	6
47	10	3	4 $\frac{1}{2}$	123	4 $\frac{1}{2}$	48	11	8	0	140	0	49	13	1	2 $\frac{1}{2}$	157	2 $\frac{1}{2}$	50	14	7	0	175	0
48	10	6	0	126	0	49	11	10	11	142	11	50	13	4	5	160	5						
49	10	8	7 $\frac{1}{2}$	128	7 $\frac{1}{2}$	50	12	1	10	145	10												
50	10	11	3	131	3																		

5			6			7			8		
	Cubic ft. in. pt.	Superf. ft. in.		Cubic ft. in. pt.	Superf. ft. in.		Cubic ft. in. pt.	Superf. ft. in.		Cubic ft. in. pt.	Superf. ft. in.
5	0 8 4	8 4	6	1 0 0	12 0	7	1 4 4	16 4	8	1 9 4	21 4
6	0 10 0	10 0	7	1 2 0	14 0	8	1 6 8	18 8	9	2 0 0	24 0
7	0 11 8	11 8	8	1 4 0	16 0	9	1 9 0	21 0	10	2 2 8	26 8
8	1 1 4	13 4	9	1 6 0	18 0	10	1 11 4	23 4	11	2 5 4	29 4
9	1 3 0	15 0	10	1 8 0	20 0	11	2 1 8	25 8	12	2 8 0	32 0
10	1 4 8	16 8	11	1 10 0	22 0	12	2 4 0	28 0	13	2 10 8	34 8
11	1 6 4	18 4	12	2 0 0	24 0	13	2 6 4	30 4	14	3 1 4	37 4
12	1 8 0	20 0	13	2 2 0	26 0	14	2 8 8	32 8	15	3 4 0	40 0
13	1 9 8	21 8	14	2 4 0	28 0	15	2 11 0	35 0	16	3 6 8	42 8
14	1 11 4	23 4	15	2 6 0	30 0	16	3 1 4	37 4	17	3 9 4	45 4
15	2 1 0	25 0	16	2 8 0	32 0	17	3 3 8	39 8	18	4 0 0	48 0
16	2 2 8	26 8	17	2 10 0	34 0	18	3 6 0	42 0	19	4 2 8	50 8
17	2 4 4	28 4	18	3 0 0	36 0	19	3 8 4	44 4	20	4 5 4	53 4
18	2 6 0	30 0	19	3 2 0	38 0	20	3 10 8	46 8	21	4 8 0	56 0
19	2 7 8	31 8	20	3 4 0	40 0	21	4 1 0	49 0	22	4 10 8	58 8
20	2 9 4	33 4	21	3 6 0	42 0	22	4 3 4	51 4	23	5 1 4	61 4
21	2 11 0	35 0	22	3 8 0	44 0	23	4 5 8	53 8	24	5 4 0	64 0
22	3 0 8	36 8	23	3 10 0	46 0	24	4 8 0	56 0	25	5 6 8	66 8
23	3 2 4	38 4	24	4 0 0	48 0	25	4 10 4	58 4	26	5 9 4	69 4
24	3 4 0	40 0	25	4 2 0	50 0	26	5 0 8	60 8	27	6 0 0	72 0
25	3 5 8	41 8	26	4 4 0	52 0	27	5 3 0	63 0	28	6 2 8	74 8
26	3 7 4	43 4	27	4 6 0	54 0	28	5 5 4	65 4	29	6 5 4	77 4
27	3 9 0	45 0	28	4 8 0	56 0	29	5 7 8	67 8	30	6 8 0	80 0
28	3 10 8	46 8	29	4 10 0	58 0	30	5 10 0	70 0	31	6 10 8	82 8
29	4 0 4	48 4	30	5 0 0	60 0	31	6 0 4	72 4	32	7 1 4	85 4
30	4 2 0	50 0	31	5 2 0	62 0	32	6 2 8	74 8	33	7 4 0	88 0
31	4 3 8	51 8	32	5 4 0	64 0	33	6 5 0	77 0	34	7 6 8	90 8
32	4 5 4	53 4	33	5 6 0	66 0	34	6 7 4	79 4	35	7 9 4	93 4
33	4 7 0	55 0	34	5 8 0	68 0	35	6 9 8	81 8	36	8 0 0	96 0
34	4 8 8	56 8	35	5 10 0	70 0	36	7 0 0	84 0	37	8 2 8	98 8
35	4 10 4	58 4	36	6 0 0	72 0	37	7 2 4	86 4	38	8 5 4	101 4
36	5 0 0	60 0	37	6 2 0	74 0	38	7 4 8	88 8	39	8 8 0	104 0
37	5 1 8	61 8	38	6 4 0	76 0	39	7 7 0	91 0	40	8 10 8	106 8
38	5 3 4	63 4	39	6 6 0	78 0	40	7 9 4	93 4	41	9 1 4	109 4
39	5 5 0	65 0	40	6 8 0	80 0	41	7 11 8	95 8	42	9 4 0	112 0
40	5 6 8	66 8	41	6 10 0	82 0	42	8 2 0	98 0	43	9 6 8	114 8
41	5 8 4	68 4	42	7 0 0	84 0	43	8 4 4	100 4	44	9 9 4	117 4
42	5 10 0	70 0	43	7 2 0	86 0	44	8 6 8	102 8	45	10 0 0	120 0
43	5 11 8	71 8	44	7 4 0	88 0	45	8 9 0	105 0	46	10 2 8	122 8
44	6 1 4	73 4	45	7 6 0	90 0	46	8 11 4	107 4	47	10 5 4	125 4
45	6 3 0	75 0	46	7 8 0	92 0	47	9 1 8	109 8	48	10 8 0	128 0
46	6 4 8	76 8	47	7 10 0	94 0	48	9 4 0	112 0	49	10 10 8	130 8
47	6 6 4	78 4	48	8 0 0	96 0	49	9 6 4	114 4	50	11 1 4	133 4
48	6 8 0	80 0	49	8 2 0	98 0	50	9 8 8	116 8			
49	6 9 8	81 8	50	8 4 0	100 0						
50	6 11 4	83 4									

9			10			11			12		
Cubic. ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.	
9	2 3 0	27 0	10	2 9 4	33 4	11	3 4 4	40 4	12	4 0 0	48 0
10	2 6 0	30 0	11	3 0 8	36 8	12	3 8 0	44 0	13	4 4 0	52 0
11	2 9 0	33 0	12	3 4 0	40 0	13	3 11 8	47 8	14	4 8 0	56 0
12	3 0 0	36 0	13	3 7 4	43 4	14	4 3 4	51 4	15	5 0 0	60 0
13	3 3 0	39 0	14	3 10 8	46 8	15	4 7 0	55 0	16	5 4 0	64 0
14	3 6 0	42 0	15	4 2 0	50 0	16	4 10 8	58 8	17	5 8 0	68 0
15	3 9 0	45 0	16	4 5 4	53 4	17	5 2 4	62 4	18	6 0 0	72 0
16	4 0 0	48 0	17	4 8 8	56 8	18	5 6 0	66 0	19	6 4 0	76 0
17	4 3 0	51 0	18	5 0 0	60 0	19	5 9 8	69 8	20	6 8 0	80 0
18	4 6 0	54 0	19	5 3 4	63 4	20	6 1 4	73 4	21	7 0 0	84 0
19	4 9 0	57 0	20	5 6 8	66 8	21	6 5 0	77 0	22	7 4 0	88 0
20	5 0 0	60 0	21	5 10 0	70 0	22	6 8 8	80 8	23	7 8 0	92 0
21	5 3 0	63 0	22	6 1 4	73 4	23	7 0 4	84 4	24	8 0 0	96 0
22	5 6 0	66 0	23	6 4 8	76 8	24	7 4 0	88 0	25	8 4 0	100 0
23	5 9 0	69 0	24	6 8 0	80 0	25	7 7 8	91 8	26	8 8 0	104 0
24	6 0 0	72 0	25	6 11 4	83 4	26	7 11 4	95 4	27	9 0 0	108 0
25	6 3 0	75 0	26	7 2 8	86 8	27	8 3 0	99 0	28	9 4 0	112 0
26	6 6 0	78 0	27	7 6 0	90 0	28	8 6 8	102 8	29	9 8 0	116 0
27	6 9 0	81 0	28	7 9 4	93 4	29	8 10 4	106 4	30	10 0 0	120 0
28	7 0 0	84 0	29	8 0 8	96 8	30	9 2 0	110 0	31	10 4 0	124 0
29	7 3 0	87 0	30	8 4 0	100 0	31	9 5 8	113 8	32	10 8 0	128 0
30	7 6 0	90 0	31	8 7 4	103 4	32	9 9 4	117 4	33	11 0 0	132 0
31	7 9 0	93 0	32	8 10 8	106 8	33	10 1 0	121 0	34	11 4 0	136 0
32	8 0 0	96 0	33	9 2 0	110 0	34	10 4 8	124 8	35	11 8 0	140 0
33	8 3 0	99 0	34	9 5 4	113 4	35	10 8 4	128 4	36	12 0 0	144 0
34	8 6 0	102 0	35	9 8 8	116 8	36	11 0 0	132 0	37	12 4 0	148 0
35	8 9 0	105 0	36	10 0 0	120 0	37	11 3 8	135 8	38	12 8 0	152 0
36	9 0 0	108 0	37	10 3 4	123 4	38	11 7 4	139 4	39	13 0 0	156 0
37	9 3 0	111 0	38	10 6 8	126 8	39	11 11 0	143 0	40	13 4 0	160 0
38	9 6 0	114 0	39	10 10 0	130 0	40	12 2 8	146 8	41	13 8 0	164 0
39	9 9 0	117 0	40	11 1 4	133 4	41	12 6 4	150 4	42	14 0 0	168 0
40	10 0 0	120 0	41	11 4 8	136 8	42	12 10 0	154 0	43	14 4 0	172 0
41	10 3 0	123 0	42	11 8 0	140 0	43	13 1 8	157 8	44	14 8 0	176 0
42	10 6 0	126 0	43	11 11 4	143 4	44	13 5 4	161 4	45	15 0 0	180 0
43	10 9 0	129 0	44	12 2 8	146 8	45	13 9 0	165 0	46	15 4 0	184 0
44	11 0 0	132 0	45	12 6 0	150 0	46	14 0 8	168 8	47	15 8 0	188 0
45	11 3 0	135 0	46	12 9 4	153 4	47	14 4 4	172 4	48	16 0 0	192 0
46	11 6 0	138 0	47	13 0 8	156 8	48	14 8 0	176 0	49	16 4 0	196 0
47	11 9 0	141 0	48	13 4 0	160 0	49	14 11 8	179 8	50	16 8 0	200 0
48	12 0 0	144 0	49	13 7 4	163 4	50	15 3 4	183 4			
49	12 3 0	147 0	50	13 10 8	166 8						
50	12 6 0	150 0									

5					6					7					8				
	Cubic ft. in. pt.			Superfi. ft. in.		Cubic ft. in. pt.			Superfi. ft. in.		Cubic ft. in. pt.			S uperfi ft. in.		Cubic ft. in. pt.			Superfi. ft. in.
5	0	9	4 $\frac{1}{2}$	9 4 $\frac{1}{2}$	6	1	1	6	13 6	7	1	6	4 $\frac{1}{2}$	18 4 $\frac{1}{2}$	8	2	0	0	24 0
6	0	11	3	11 3	7	1	3	9	15 9	8	1	9	0	21 0	9	2	3	0	27 0
7	1	1	1 $\frac{1}{2}$	13 1 $\frac{1}{2}$	8	1	6	0	18 0	9	1	11	7 $\frac{1}{2}$	23 7 $\frac{1}{2}$	10	2	6	0	30 0
8	1	3	0	15 0	9	1	8	3	20 3	10	2	2	3	26 3	11	2	9	0	33 0
9	1	4	10 $\frac{1}{2}$	16 10 $\frac{1}{2}$	10	1	10	6	22 6	11	2	4	10 $\frac{1}{2}$	28 10 $\frac{1}{2}$	12	3	0	0	36 0
10	1	6	9	18 9	11	2	0	9	24 9	12	2	7	6	31 6	13	3	3	0	39 0
11	1	8	7 $\frac{1}{2}$	20 7 $\frac{1}{2}$	12	2	3	0	27 0	13	2	10	1 $\frac{1}{2}$	34 1 $\frac{1}{2}$	14	3	6	0	42 0
12	1	10	6	22 6	13	2	5	3	29 3	14	3	0	9	36 9	15	3	9	0	45 0
13	2	0	4 $\frac{1}{2}$	24 4 $\frac{1}{2}$	14	2	7	6	31 6	15	3	3	4 $\frac{1}{2}$	39 4 $\frac{1}{2}$	16	4	0	0	48 0
14	2	2	3	26 3	15	2	9	9	33 9	16	3	6	0	42 0	17	4	3	0	51 0
15	2	4	1 $\frac{1}{2}$	28 1 $\frac{1}{2}$	16	3	0	0	36 0	17	3	8	7 $\frac{1}{2}$	44 7 $\frac{1}{2}$	18	4	6	0	54 0
16	2	6	0	30 0	17	3	2	3	38 3	18	3	11	3	47 3	19	4	9	0	57 0
17	2	7	10 $\frac{1}{2}$	31 10 $\frac{1}{2}$	18	3	4	6	40 6	19	4	1	10 $\frac{1}{2}$	49 10 $\frac{1}{2}$	20	5	0	0	60 0
18	2	9	9	33 9	19	3	6	9	42 9	20	4	4	6	52 6	21	5	3	0	63 0
19	2	11	7 $\frac{1}{2}$	35 7 $\frac{1}{2}$	20	3	9	0	45 0	21	4	7	1 $\frac{1}{2}$	55 1 $\frac{1}{2}$	22	5	6	0	66 0
20	3	1	6	37 6	21	3	11	3	47 3	22	4	9	9	57 9	23	5	9	0	69 0
21	3	3	4 $\frac{1}{2}$	39 4 $\frac{1}{2}$	22	4	1	6	49 6	23	5	0	4 $\frac{1}{2}$	60 4 $\frac{1}{2}$	24	6	0	0	72 0
22	3	5	3	41 3	23	4	3	9	51 9	24	5	3	0	63 0	25	6	3	0	75 0
23	3	7	1 $\frac{1}{2}$	43 1 $\frac{1}{2}$	24	4	6	0	54 0	25	5	5	7 $\frac{1}{2}$	65 7 $\frac{1}{2}$	26	6	6	0	78 0
24	3	9	0	45 0	25	4	8	3	56 3	26	5	8	3	68 3	27	6	9	0	81 0
25	3	10	10 $\frac{1}{2}$	46 10 $\frac{1}{2}$	26	4	10	6	58 6	27	5	10	10 $\frac{1}{2}$	70 10 $\frac{1}{2}$	28	7	0	0	84 0
26	4	0	9	48 9	27	5	0	9	60 9	28	6	1	6	73 6	29	7	3	0	87 0
27	4	2	7 $\frac{1}{2}$	50 7 $\frac{1}{2}$	28	5	3	0	63 0	29	6	4	1 $\frac{1}{2}$	76 1 $\frac{1}{2}$	30	7	6	0	90 0
28	4	4	6	52 6	29	5	5	3	65 3	30	6	6	9	78 9	31	7	9	0	93 0
29	4	6	4 $\frac{1}{2}$	54 4 $\frac{1}{2}$	30	5	7	6	67 6	31	6	9	4 $\frac{1}{2}$	81 4 $\frac{1}{2}$	32	8	0	0	96 0
30	4	8	3	56 3	31	5	9	9	69 9	32	7	0	0	84 0	33	8	3	0	99 0
31	4	10	1 $\frac{1}{2}$	58 1 $\frac{1}{2}$	32	6	0	0	72 0	33	7	2	7 $\frac{1}{2}$	86 7 $\frac{1}{2}$	34	8	6	0	102 0
32	5	0	0	60 0	33	6	2	3	74 3	34	7	5	3	99 3	35	8	9	0	105 0
33	5	1	10 $\frac{1}{2}$	61 10 $\frac{1}{2}$	34	6	4	6	76 6	35	7	7	10 $\frac{1}{2}$	91 10 $\frac{1}{2}$	36	9	0	0	108 0
34	5	3	9	63 9	35	6	6	9	78 9	36	7	10	6	94 6	37	9	3	0	111 0
35	5	5	7 $\frac{1}{2}$	65 7 $\frac{1}{2}$	36	6	9	0	81 0	37	8	1	1 $\frac{1}{2}$	97 1 $\frac{1}{2}$	38	9	6	0	114 0
36	5	7	6	67 6	37	6	11	3	83 3	38	8	3	9	99 9	39	9	9	0	117 0
37	5	9	4 $\frac{1}{2}$	69 4 $\frac{1}{2}$	38	7	1	6	85 6	39	8	6	4 $\frac{1}{2}$	102 4 $\frac{1}{2}$	40	10	0	0	120 0
38	5	11	3	71 3	39	7	3	9	87 9	40	8	9	0	105 0	41	10	3	0	123 0
39	6	1	1 $\frac{1}{2}$	73 1 $\frac{1}{2}$	40	7	6	0	90 0	41	8	11	7 $\frac{1}{2}$	107 7 $\frac{1}{2}$	42	10	6	0	126 0
40	6	3	0	75 0	41	7	8	3	92 3	42	9	2	3	110 3	43	10	9	0	129 0
41	6	4	10 $\frac{1}{2}$	76 10 $\frac{1}{2}$	42	7	10	6	94 6	43	9	4	10 $\frac{1}{2}$	112 10 $\frac{1}{2}$	44	11	0	0	132 0
42	6	6	9	78 9	43	8	0	9	96 9	44	9	7	6	115 6	45	11	3	0	135 0
43	6	8	7 $\frac{1}{2}$	80 7 $\frac{1}{2}$	44	8	3	0	99 0	45	9	10	1 $\frac{1}{2}$	118 1 $\frac{1}{2}$	46	11	6	0	138 0
44	6	10	6	82 6	45	8	5	3	101 3	46	10	0	9	120 9	47	11	9	0	141 0
45	7	0	4 $\frac{1}{2}$	84 4 $\frac{1}{2}$	46	8	7	6	103 6	47	10	3	4 $\frac{1}{2}$	123 4 $\frac{1}{2}$	48	12	0	0	144 0
46	7	2	3	86 3	47	8	9	9	105 9	48	10	6	0	126 0	49	12	3	0	147 0
47	7	4	1 $\frac{1}{2}$	88 1 $\frac{1}{2}$	48	9	0	0	108 0	49	10	8	7 $\frac{1}{2}$	128 7 $\frac{1}{2}$	50	12	6	0	150 0
48	7	6	0	90 0	49	9	2	3	110 3	50	10	11	3	131 3					
49	7	7	10 $\frac{1}{2}$	91 10 $\frac{1}{2}$	50	9	4	6	112 6										
50	7	9	9	93 9															

9				10				11				12			
Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.
9	2	6	4 $\frac{1}{2}$	30	4	$\frac{1}{2}$	10	3	1	6	37	6	4	6	0
10	2	9	9	33	9		11	3	5	3	41	3	4	10	6
11	3	1	1 $\frac{1}{2}$	37	1	$\frac{1}{2}$	12	3	9	0	45	0	5	8	0
12	3	4	6	40	6		13	4	0	9	48	9	5	7	6
13	3	7	10 $\frac{1}{2}$	43	10	$\frac{1}{2}$	14	4	4	6	52	6	5	7	6
14	3	11	3	47	3		15	4	8	3	56	3	6	0	0
15	4	2	7 $\frac{1}{2}$	50	7	$\frac{1}{2}$	16	5	0	0	60	0	6	4	6
16	4	6	0	54	0		17	5	3	9	63	9	6	9	0
17	4	9	4 $\frac{1}{2}$	57	4	$\frac{1}{2}$	18	5	7	6	67	6	7	1	6
18	5	0	9	60	9		19	5	11	3	71	3	7	6	0
19	5	3	1 $\frac{1}{2}$	63	1	$\frac{1}{2}$	20	6	3	0	75	0	8	3	0
20	5	7	6	67	6		21	6	6	9	78	9	8	7	6
21	5	10	10 $\frac{1}{2}$	70	10	$\frac{1}{2}$	22	6	10	6	82	6	9	0	0
22	6	2	3	74	3		23	7	2	7 $\frac{1}{2}$	86	7	9	0	0
23	6	5	7 $\frac{1}{2}$	77	7	$\frac{1}{2}$	24	7	6	9	90	9	9	4	6
24	6	9	0	81	0		25	7	10	10 $\frac{1}{2}$	94	10	9	0	0
25	7	0	4 $\frac{1}{2}$	84	4	$\frac{1}{2}$	26	8	3	0	99	0	9	4	6
26	7	3	9	87	9		27	8	7	1 $\frac{1}{2}$	103	1	9	9	0
27	7	7	1 $\frac{1}{2}$	91	1	$\frac{1}{2}$	28	8	11	3	107	3	10	1	6
28	7	10	6	94	6		29	9	3	4 $\frac{1}{2}$	111	4	10	6	0
29	8	1	10 $\frac{1}{2}$	97	10	$\frac{1}{2}$	30	9	7	6	115	6	10	10	6
30	8	5	3	101	3		31	9	11	7 $\frac{1}{2}$	119	7	11	3	0
31	8	8	7 $\frac{1}{2}$	104	7	$\frac{1}{2}$	32	10	3	9	123	9	11	7	6
32	9	0	0	108	0		33	10	7	10 $\frac{1}{2}$	127	10	11	7	6
33	9	3	4 $\frac{1}{2}$	111	4	$\frac{1}{2}$	34	11	0	0	132	0	12	0	0
34	9	6	9	114	9		35	11	4	1 $\frac{1}{2}$	136	1	12	4	6
35	9	10	1 $\frac{1}{2}$	118	1	$\frac{1}{2}$	36	11	8	3	140	3	12	9	0
36	10	1	6	121	6		37	12	0	4 $\frac{1}{2}$	144	4	13	1	6
37	10	4	10 $\frac{1}{2}$	124	10	$\frac{1}{2}$	38	12	4	6	148	6	13	6	0
38	10	8	3	128	3		39	12	8	7 $\frac{1}{2}$	152	7	13	10	6
39	10	11	7 $\frac{1}{2}$	131	7	$\frac{1}{2}$	40	13	0	9	156	9	14	3	0
40	11	3	0	135	0		41	13	4	10 $\frac{1}{2}$	160	10	14	7	6
41	11	6	4 $\frac{1}{2}$	138	4	$\frac{1}{2}$	42	13	9	0	165	0	15	0	0
42	11	9	9	141	9		43	14	1	1 $\frac{1}{2}$	169	1	15	4	6
43	12	1	1 $\frac{1}{2}$	145	1	$\frac{1}{2}$	44	14	5	3	173	3	16	9	0
44	12	4	6	148	6		45	14	9	4 $\frac{1}{2}$	177	4	16	1	6
45	12	7	10 $\frac{1}{2}$	151	10	$\frac{1}{2}$	46	15	1	6	181	6	16	6	0
46	12	11	3	155	3		47	15	5	7 $\frac{1}{2}$	185	7	16	10	6
47	13	2	7 $\frac{1}{2}$	158	7	$\frac{1}{2}$	48	15	9	9	189	9	17	3	0
48	13	6	0	162	0		49	16	1	10 $\frac{1}{2}$	193	10	17	7	6
49	13	9	4 $\frac{1}{2}$	165	4	$\frac{1}{2}$	50	16	6	0	198	0	18	0	0
50	14	0	9	168	9			17	2	3	202	1	18	4	6
											206	3		9	0

5				6				7				8				
Cubic ft. in. pt.		Superfi. ft. in.		Cubic ft. in. pt.		Superfi. ft. in.		Cubic ft. in. pt.		Superfi. ft. in.		Cubic ft. in. pt.		Superfi. ft. in.		
5	0 10	5	10	5	1 30	15	0	7	1 8	5	20	5	8	2 28	26	8
6	1 0	6	12	6	1 56	17	6	8	1 11	4	23	4	9	2 60	30	0
7	1 2	7	14	7	1 80	20	0	9	2 2	3	26	3	10	2 94	33	4
8	1 4	8	16	8	1 106	22	6	10	2 5	2	29	2	11	3 08	36	8
9	1 6	9	18	9	2 10	25	0	11	2 8	1	32	1	12	3 40	40	0
10	1 8	10	20	10	2 36	27	6	12	2 11	0	35	0	13	3 74	43	4
11	1 10	11	22	11	2 60	30	0	13	3 1	11	37	11	14	3 108	46	8
12	2 1	0	25	0	2 86	32	6	14	3 4	10	40	10	15	4 20	50	0
3	2 3	1	27	1	2 110	35	0	15	3 7	9	43	9	16	4 54	53	4
14	2 5	2	29	2	3 16	37	6	16	3 10	8	46	8	17	4 88	56	8
15	2 7	3	31	3	3 40	40	0	17	4 1	7	49	7	18	5 00	60	0
16	2 9	4	33	4	3 66	42	6	18	4 4	6	52	6	19	5 34	63	4
17	2 11	5	35	5	3 90	45	0	19	4 7	5	55	5	20	5 68	66	8
18	3 1	6	37	6	3 116	47	6	20	4 10	4	58	4	21	5 100	70	0
19	3 3	7	39	7	4 20	50	0	21	5 1	3	61	3	22	6 14	73	4
20	3 5	8	41	8	4 46	52	6	22	5 4	2	64	2	23	6 48	76	8
21	3 7	9	43	9	4 70	55	0	23	5 7	1	67	1	24	6 80	80	0
22	3 9	10	45	10	4 96	57	6	24	5 10	0	70	0	25	6 114	83	4
23	3 11	11	47	11	5 00	60	0	25	6 0	11	72	11	26	7 28	86	8
24	4 2	0	50	0	5 26	62	6	26	6 3	10	75	10	27	7 60	90	0
25	4 4	1	52	1	5 50	65	0	27	6 6	9	78	9	28	7 94	93	4
26	4 6	2	54	2	5 76	67	6	28	6 9	8	81	8	29	8 08	96	8
27	4 8	3	56	3	5 100	70	0	29	7 0	7	84	7	30	8 40	100	0
28	4 10	4	58	4	6 06	72	6	30	7 3	6	87	6	31	8 74	103	4
29	5 0	5	60	5	6 30	75	0	31	7 6	5	90	5	32	8 108	106	8
30	5 2	6	62	6	6 56	77	6	32	7 9	4	93	4	33	9 20	110	0
31	5 4	7	64	7	6 80	80	0	33	8 0	3	96	3	34	9 54	113	4
32	5 6	8	66	8	6 106	82	6	34	8 3	2	99	2	35	9 88	116	8
33	5 8	9	68	9	7 10	85	0	35	8 6	1	102	1	36	10 00	120	0
34	5 10	10	70	10	7 36	87	6	36	8 9	0	105	0	37	10 34	123	4
35	6 0	11	72	11	7 60	90	0	37	8 11	11	107	11	38	10 68	126	8
36	6 3	0	75	0	7 86	92	6	38	9 2	10	110	10	39	10 100	130	0
37	6 5	1	77	1	7 110	95	0	39	9 5	9	113	9	40	11 14	133	4
38	6 7	2	79	2	8 16	97	6	40	9 8	8	116	8	41	11 48	136	8
39	6 9	3	81	3	8 40	100	0	41	9 11	7	119	7	42	11 80	140	0
40	6 11	4	83	4	8 66	102	6	42	10 2	6	122	6	43	11 114	143	4
41	7 1	5	85	5	8 90	105	0	43	10 5	5	125	5	44	12 28	146	8
42	7 3	6	87	6	8 116	107	6	44	10 8	4	128	4	45	12 60	150	0
43	7 5	7	89	7	9 20	110	0	45	10 11	3	131	3	46	12 94	153	4
44	7 7	8	91	8	9 46	112	6	46	11 2	2	134	2	47	13 08	156	8
45	7 9	9	93	9	9 70	115	0	47	11 5	1	137	1	48	13 40	160	0
46	7 11	10	95	10	9 96	117	6	48	11 8	0	140	0	49	13 74	163	4
47	8 1	11	97	11	10 00	120	0	49	11 10	11	142	11	50	13 108	166	8
48	8 4	0	100	0	10 26	122	6	50	12 1	10	145	10				
49	8 6	1	102	1	10 50	125	0									
50	8 8	2	104	2												

9			10			11			12		
	Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.
9	2 9 9	33 9	10	3 5 8	41 8	11	4 2 5	50 5	12	5 0 0	60 0
10	3 1 6	37 6	11	3 9 10	45 10	12	4 7 0	55 0	13	5 5 0	65 0
11	3 5 3	41 3	12	4 2 0	50 0	13	4 11 7	59 7	14	5 10 0	70 0
12	3 9 0	45 0	13	4 6 2	54 2	14	5 4 2	64 2	15	6 3 0	75 0
13	4 0 9	48 9	14	4 10 4	58 4	15	5 8 9	68 9	16	6 8 0	80 0
14	4 4 6	52 6	15	5 2 6	62 6	16	6 1 4	73 4	17	7 1 0	85 0
15	4 8 3	56 3	16	5 6 8	66 8	17	6 5 11	77 11	18	7 6 0	90 0
16	5 0 0	60 0	17	5 10 10	70 10	18	6 10 6	82 6	19	7 11 0	95 0
17	5 3 9	63 9	18	6 3 0	75 0	19	7 3 1	87 1	20	8 4 0	100 0
18	5 7 6	67 6	19	6 7 2	79 2	20	7 7 8	91 8	21	8 9 0	105 0
19	5 11 3	71 3	20	6 11 4	83 4	21	8 0 3	96 3	22	9 2 0	110 0
20	6 3 0	75 0	21	7 3 6	87 6	22	8 4 10	100 10	23	9 7 0	115 0
21	6 6 9	78 9	22	7 7 8	91 8	23	8 9 5	105 5	24	10 0 0	120 0
22	6 10 6	82 6	23	7 11 10	95 10	24	9 2 0	110 0	25	10 5 0	125 0
23	7 2 3	86 3	24	8 4 0	100 0	25	9 6 7	114 7	26	10 10 0	130 0
24	7 6 0	90 0	25	8 8 2	104 2	26	9 11 2	119 2	27	10 3 0	135 0
25	7 9 9	93 9	26	9 0 4	108 4	27	10 3 9	123 9	28	11 8 0	140 0
26	8 1 6	97 6	27	9 4 6	112 6	28	10 8 4	128 4	29	12 1 0	145 0
27	8 5 3	101 3	28	9 8 8	116 8	29	11 0 11	132 11	30	12 6 0	150 0
28	8 9 0	105 0	29	10 0 10	120 10	30	11 5 6	137 6	31	12 11 0	155 0
29	9 0 9	108 9	30	10 5 0	125 0	31	11 10 1	142 1	32	13 4 0	160 0
30	9 4 6	112 6	31	10 9 2	129 2	32	12 2 8	146 8	33	13 9 0	165 0
31	9 8 3	116 3	32	11 1 4	133 4	33	12 7 3	151 3	34	14 2 0	170 0
32	10 0 0	120 0	33	11 5 6	137 6	34	12 11 10	155 10	35	14 7 0	175 0
33	10 3 9	123 9	34	11 9 8	141 8	35	13 4 5	160 5	36	15 0 0	180 0
34	10 7 6	127 6	35	12 1 10	145 10	36	13 9 0	165 0	37	15 5 0	185 0
35	10 11 3	131 3	36	12 6 0	150 0	37	14 1 7	169 7	38	15 10 0	190 0
36	11 3 0	135 0	37	12 10 2	154 2	38	14 6 2	174 2	39	16 3 0	195 0
37	11 6 9	138 9	38	13 2 4	158 4	39	14 10 9	178 9	40	16 8 0	200 0
38	11 10 6	142 6	39	13 6 6	162 6	40	15 3 4	183 4	41	17 1 0	205 0
39	12 2 3	146 3	40	13 10 8	166 8	41	15 7 11	187 11	42	17 6 0	210 0
40	12 6 0	150 0	41	14 2 10	170 10	42	16 0 6	192 6	43	17 11 0	215 0
41	12 9 9	153 9	42	14 7 0	175 0	43	16 5 1	197 1	44	18 4 0	220 0
42	13 1 6	157 6	43	14 11 2	179 2	44	16 9 8	201 8	45	18 9 0	2

6			7			8			9		
	Cubic ft. in. pt.	Superf. ft. in.		Cubic ft. in. pt.	Superf. ft. in.		Cubic ft. in. pt.	Superf. ft. in.		Cubic ft. in. pt.	Superf. ft. in.
6	1 6 0	18 0	7	2 0 6	24 6	8	2 8 0	32 0	9	3 4 6	40 6
7	1 9 0	21 0	8	2 4 0	28 0	9	3 0 0	36 0	10	3 9 0	45 0
8	2 0 0	24 0	9	2 7 6	31 6	10	3 4 0	40 0	11	4 1 6	49 6
9	2 3 0	27 0	10	2 11 0	35 0	11	3 8 0	44 0	12	4 6 0	54 0
10	2 6 0	30 0	11	3 2 6	38 6	12	4 0 0	48 0	13	4 10 6	58 6
11	2 9 0	33 0	12	3 6 0	42 0	13	4 4 0	52 0	14	5 3 0	63 0
12	3 0 0	36 0	13	3 9 6	45 6	14	4 8 0	56 0	15	5 7 6	67 6
13	3 3 0	39 0	14	4 1 0	49 0	15	5 0 0	60 0	16	6 0 0	72 0
14	3 6 0	42 0	15	4 4 6	52 6	16	5 4 0	64 0	17	6 4 6	76 6
15	3 9 0	45 0	16	4 8 0	56 0	17	5 8 0	68 0	18	6 9 0	81 0
16	4 0 0	48 0	17	4 11 6	59 6	18	6 0 0	72 0	19	7 1 6	85 6
17	4 3 0	51 0	18	5 3 0	63 0	19	6 4 0	76 0	20	7 6 0	90 0
18	4 6 0	54 0	19	5 6 6	66 6	20	6 8 0	80 0	21	7 10 6	94 6
19	4 9 0	57 0	20	5 10 0	70 0	21	7 0 0	84 0	22	8 3 0	99 0
20	5 0 0	60 0	21	6 1 6	73 6	22	7 4 0	88 0	23	8 7 6	103 6
21	5 3 0	63 0	22	6 5 0	77 0	23	7 8 0	92 0	24	9 0 0	108 0
22	5 6 0	66 0	23	6 8 6	80 6	24	8 0 0	96 0	25	9 4 6	112 6
23	5 9 0	69 0	24	7 0 0	84 0	25	8 4 0	100 0	26	9 9 0	117 0
24	6 0 0	72 0	25	7 3 6	87 6	26	8 8 0	104 0	27	10 1 6	121 6
25	6 3 0	75 0	26	7 7 0	91 0	27	9 0 0	108 0	28	10 6 0	126 0
26	6 6 0	78 0	27	7 10 6	94 6	28	9 4 0	112 0	29	10 10 6	130 6
27	6 9 0	81 0	28	8 2 0	98 0	29	9 8 0	116 0	30	11 3 0	135 0
28	7 0 0	84 0	29	8 5 6	101 6	30	10 0 0	120 0	31	11 7 6	139 6
29	7 3 0	87 0	30	8 9 0	105 0	31	10 4 0	124 0	32	12 0 0	144 0
30	7 6 0	90 0	31	9 0 6	108 6	32	10 8 0	128 0	33	12 4 6	148 6
31	7 9 0	93 0	32	9 4 0	112 0	33	11 0 0	132 0	34	12 9 0	153 0
32	8 0 0	96 0	33	9 7 6	115 6	34	11 4 0	136 0	35	13 1 6	157 6
33	8 3 0	99 0	34	9 11 0	119 0	35	11 8 0	140 0	36	13 6 0	162 0
34	8 6 0	102 0	35	10 2 6	122 6	36	12 0 0	144 0	37	13 10 6	166 6
35	8 9 0	105 0	36	10 6 0	126 0	37	12 4 0	148 0	38	14 3 0	171 0
36	9 0 0	108 0	37	10 9 6	129 6	38	12 8 0	152 0	39	14 7 6	175 6
37	9 3 0	111 0	38	11 1 0	133 0	39	13 0 0	156 0	40	15 0 0	180 0
38	9 6 0	114 0	39	11 4 6	136 6	40	13 4 0	160 0	41	15 4 6	184 6
39	9 9 0	117 0	40	11 8 0	140 0	41	13 8 0	164 0	42	15 9 0	189 0
40	10 0 0	120 0	41	11 11 6	143 6	42	14 0 0	168 0	43	16 1 6	193 6
41	10 3 0	123 0	42	12 3 0	147 0	43	14 4 0	172 0	44	16 6 0	198 0
42	10 6 0	126 0	43	12 6 6	150 6	44	14 8 0	176 0	45	16 10 6	202 6
43	10 9 0	129 0	44	12 10 0	154 0	45	15 0 0	180 0	46	17 3 0	207 0
44	11 0 0	132 0	45	13 1 6	157 6	46	15 4 0	184 0	47	17 7 6	211 6
45	11 3 0	135 0	46	13 5 0	161 0	47	15 8 0	188 0	48	18 0 0	216 0
46	11 6 0	138 0	47	13 8 6	164 6	48	16 0 0	192 0	49	18 4 6	220 6
47	11 9 0	141 0	48	14 0 0	168 0	49	16 4 0	196 0	50	18 9 0	225 0
48	12 0 0	144 0	49	14 3 6	171 6	50	16 8 0	200 0			
49	12 3 0	147 0	50	14 7 0	175 0						
50	12 6 0	150 0									

10

	Cubic ft. in. pt.			Superfi. ft. in.
10	4	2	0	50 0
11	4	7	0	55 0
12	5	0	0	60 0
13	5	5	0	65 0
14	5	10	0	70 0
15	6	3	0	75 0
16	6	8	0	80 0
17	7	1	0	85 0
18	7	6	0	90 0
19	7	11	0	95 0
20	8	4	0	100 0
21	8	9	0	105 0
22	9	2	0	110 0
23	9	7	0	115 0
24	10	0	0	120 0
25	10	5	0	125 0
26	10	10	0	130 0
27	11	3	0	135 0
28	11	8	0	140 0
29	12	1	0	145 0
30	12	6	0	150 0
31	12	11	0	155 0
32	13	4	0	160 0
33	13	9	0	165 0
34	14	2	0	170 0
35	14	7	0	175 0
36	15	0	0	180 0
37	15	5	0	185 0
38	15	10	0	190 0
39	16	3	0	195 0
40	16	8	0	200 0
41	17	1	0	205 0
42	17	6	0	210 0
43	17	11	0	215 0
44	18	4	0	220 0
45	18	9	0	225 0
46	19	2	0	230 0
47	19	7	0	235 0
48	20	0	0	240 0
49	20	5	0	245 0
50	20	10	0	250 0

11

	Cubic ft. in. pt.			Superfi. ft. in.
11	5	0	6	60 6
12	5	6	0	66 0
13	5	11	6	71 6
14	6	5	0	77 0
15	6	10	6	82 6
16	7	4	0	88 0
17	7	9	6	93 6
18	8	3	0	99 0
19	8	8	6	104 6
20	9	2	0	110 0
21	9	7	6	115 6
22	10	1	0	121 0
23	10	6	6	126 6
24	11	0	0	132 0
25	11	5	6	137 6
26	11	11	0	143 0
27	12	4	6	148 6
28	12	10	0	154 0
29	13	3	6	159 6
30	13	9	0	165 0
31	14	2	6	170 6
32	14	8	0	176 0
33	15	1	6	181 6
34	15	7	0	187 0
35	16	0	6	192 6
36	16	6	0	198 0
37	16	11	6	203 6
38	17	5	0	209 0
39	17	10	6	214 6
40	18	4	0	220 0
41	18	9	6	225 6
42	19	3	0	231 0
43	19	8	6	236 6
44	20	2	0	242 0
45	20	7	6	247 6
46	21	1	0	253 0
47	21	6	6	258 6
48	22	0	0	264 0
49	22	5	6	269 6
50	22	11	0	275 0

12

	Cubic ft. in. pt.			Superfi. ft. in.
12	6	0	0	72 0
13	6	6	0	78 0
14	7	0	0	84 0
15	7	6	0	90 0
16	8	0	0	96 0
17	8	6	0	102 0
18	9	0	0	108 0
19	9	6	0	114 0
20	10	0	0	120 0
21	10	6	0	126 0
22	11	0	0	132 0
23	11	6	0	138 0
24	12	0	0	144 0
25	12	6	0	150 0
26	13	0	0	156 0
27	13	6	0	162 0
28	14	0	0	168 0
29	14	6	0	174 0
30	15	0	0	180 0
31	15	6	0	186 0
32	16	0	0	192 0
33	16	6	0	198 0
34	17	0	0	204 0
35	17	6	0	210 0
36	18	0	0	216 0
37	18	6	0	222 0
38	19	0	0	228 0
39	19	6	0	234 0
40	20	0	0	240 0
41	20	6	0	246 0
42	21	0	0	252 0
43	21	6	0	258 0
44	22	0	0	264 0
45	22	6	0	270 0
46	23	0	0	276 0
47	23	6	0	282 0
48	24	0	0	288 0
49	24	6	0	294 0
50	25	0	0	300 0

13

	Cubic ft. in. pt.			Superfi. ft. in.
13	7	0	6	84 6
14	7	7	0	91 0
15	8	1	6	97 6
16	8	8	0	104 0
17	9	2	6	110 6
18	9	9	0	117 0
19	10	3	6	123 6
20	10	10	0	130 0
21	11	4	6	136 6
22	11	11	0	143 0
23	12	5	6	149 6
24	13	0	0	156 0
25	13	6	6	162 6
26	14	1	0	169 0
27	14	7	6	175 6
28	15	2	0	182 0
29	15	8	6	188 6
30	16	3	0	195 0
31	16	9	6	201 6
32	17	4	0	208 0
33	17	10	6	214 6
34	18	5	0	221 0
35	18	11	6	227 6
36	19	6	0	234 0
37	20	0	6	240 6
38	20	7	0	247 0
39	21	1	6	253 6
40	21	8	0	260 0
41	22	2	6	266 6
42	22	9	0	273 0
43	23	3	6	279 6
44	23	10	0	286 0
45	24	4	6	292 6
46	24	11	0	299 0
47	25	5	6	305 6
48	26	0	0	312 0
49	26	6	6	318 6
50	27	1	0	325 0

7				8				9				10											
Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.								
7	2	4	7	28	7	8	3	1	4	37	4	9	3	11	3	47	3	10	4	10	4	58	4
8	2	8	8	32	8	9	3	6	0	42	0	10	4	4	6	52	6	11	5	4	2	64	2
9	3	0	9	36	9	10	3	10	8	46	8	11	4	9	9	57	9	12	5	10	0	70	0
10	3	4	10	40	10	11	4	3	4	51	4	12	5	3	0	63	0	13	6	3	10	75	10
11	3	8	11	44	11	12	4	8	0	56	0	13	5	8	3	68	3	14	6	9	8	81	8
12	4	1	0	49	0	13	5	0	8	60	8	14	6	1	6	73	6	15	7	3	6	87	6
13	4	5	1	53	1	14	5	5	4	65	4	15	6	6	9	78	9	16	7	9	4	93	4
14	4	9	2	57	2	15	5	10	0	70	0	16	7	0	0	84	0	17	8	3	2	99	2
15	5	1	3	61	3	16	6	2	8	74	8	17	7	5	3	89	3	18	8	9	0	105	0
16	5	5	4	65	4	17	6	7	4	79	4	18	7	10	6	94	6	19	9	2	10	110	10
17	5	9	5	69	5	18	7	0	0	84	0	19	8	3	9	99	9	20	9	8	8	116	8
18	6	1	6	73	6	19	7	4	8	88	8	20	8	9	0	105	0	21	10	2	6	122	6
19	6	5	7	77	7	20	7	9	4	93	4	21	9	2	3	110	3	22	10	8	4	128	4
20	6	9	8	81	8	21	8	2	0	98	0	22	9	7	6	115	6	23	11	2	2	134	2
21	7	1	9	85	9	22	8	6	8	102	8	23	10	0	9	120	9	24	11	8	0	140	0
22	7	5	10	89	10	23	8	11	4	107	4	24	10	6	0	126	0	25	12	1	10	145	10
23	7	9	11	93	11	24	9	4	0	112	0	25	10	11	3	131	3	26	12	7	8	151	8
24	8	2	0	98	0	25	9	8	8	116	8	26	11	4	6	136	6	27	13	1	6	157	6
25	8	6	1	102	1	26	10	1	4	121	4	27	11	9	9	141	9	28	13	7	4	163	4
26	8	10	2	106	2	27	10	6	0	126	0	28	12	3	0	147	0	29	14	1	2	169	2
27	9	2	3	110	3	28	10	10	8	130	8	29	12	8	3	152	3	30	14	7	0	175	0
28	9	6	4	114	4	29	11	3	4	135	4	30	13	1	6	157	6	31	15	0	10	180	10
29	9	10	5	118	5	30	11	8	0	140	0	31	13	6	9	162	9	32	15	6	8	186	8
30	10	2	6	122	6	31	12	0	8	144	8	32	14	0	0	168	0	33	16	0	6	192	6
31	10	6	7	126	7	32	12	5	4	149	4	33	14	5	3	173	3	34	16	6	4	198	4
32	10	10	8	130	8	33	12	10	0	154	0	34	14	10	6	178	6	35	17	0	2	204	2
33	11	2	9	134	9	34	13	2	8	158	8	35	15	3	9	183	9	36	17	6	0	210	0
34	11	6	10	138	10	35	13	7	4	163	4	36	15	9	0	189	0	37	17	11	10	215	10
35	11	10	11	142	11	36	14	0	0	168	0	37	16	2	3	194	3	38	18	5	8	221	8
36	12	3	0	147	0	37	14	4	8	172	8	38	16	7	6	199	6	39	18	11	6	227	6
37	12	7	1	151	1	38	14	9	4	177	4	39	17	0	9	204	9	40	19	5	4	233	4
38	12	11	2	155	2	39	15	2	0	182	0	40	17	6	0	210	0	41	19	11	2	239	2
39	13	3	3	159	3	40	15	6	8	186	8	41	17	11	3	215	3	42	20	5	0	245	0
40	13	7	4	163	4	41	15	11	4	191	4	42	18	4	6	220	6	43	20	10	10	250	10
41	13	11	5	167	5	42	16	4	0	196	0	43	18	9	9	225	9	44	21	4	8	256	8
42	14	3	6	171	6	43	16	8	8	200	8	44	19	3	0	231	0	45	21	10	6	262	6
43	14	7	7	175	7	44	17	1	4	205	4	45	19	8	3	236	3	46	22	4	4	268	4
44	14	11	8	179	8	45	17	6	0	210	0	46	20	1	6	241	6	47	22	10	2	274	2
45	15	3	9	183	9	46	17	10	8	214	8	47	20	6	9	246	9	48	23	4	0	280	0
46	15	7	10	187	10	47	18	3	4	219	4	48	21	0	0	252	0	49	23	9	10	285	10
47	15	11	11	191	11	48	18	8	0	224	0	49	21	5	3	257	3	50	24	3	8	291	8
48	16	4	0	196	0	49	19	0	8	228	8	50	21	10	6	262	6	51	24	9	6	297	6
49	16	8	1	200	1	50	19	5	4	233	4	51	22	3	9	267	9	52	25	3	4	303	4
50	17	0	2	204	2	51	19	10	0	238	0	52	22	9	0	273	0	53	25	9	2	309	2

11					12					13					14							
Cubic. ft. in. pt.			Superfi. ft. in.		Cubic ft. in. pt.			Superfi. ft. in.		Cubic ft. in. pt.			Superfi. ft. in.		Cubic ft. in. pt.			Superfi. ft. in.				
11	5	10	7	70	7	12	7	0	0	840	13	8	2	7	98	7	14	9	6	4	114	4
12	6	5	0	77	0	13	7	7	0	910	14	8	10	2	106	2	15	10	2	6	122	6
13	6	11	5	83	5	14	8	2	0	980	15	9	5	9	113	9	16	10	10	8	130	8
14	7	5	10	89	10	15	8	9	0	1050	16	10	1	4	121	4	17	11	6	10	138	10
15	8	0	3	96	3	16	9	4	0	1120	17	10	8	11	128	11	18	12	3	0	147	0
16	8	6	8	102	8	17	9	11	0	1190	18	11	4	6	136	6	19	12	11	2	155	2
17	9	1	1	109	1	18	10	6	0	1260	19	12	0	1	144	1	20	13	7	4	163	4
18	9	7	6	115	6	19	11	1	0	1330	20	12	7	8	151	8	21	14	3	6	171	6
19	10	1	11	121	11	20	11	8	0	1400	21	13	3	3	159	3	22	14	11	8	179	8
20	10	8	4	128	4	21	12	3	0	1470	22	13	10	10	166	10	23	15	7	10	187	10
21	11	2	9	134	9	22	12	10	0	1540	23	14	6	5	174	5	24	16	4	0	196	0
22	11	9	2	141	2	23	13	5	0	1610	24	15	2	0	182	0	25	17	0	2	204	2
23	12	3	7	147	7	24	14	0	0	1680	25	15	9	7	189	7	26	17	8	4	212	4
24	12	10	0	154	0	25	14	7	0	1750	26	16	5	2	197	2	27	18	4	6	220	6
25	13	4	5	160	5	26	15	2	0	1820	27	17	0	9	204	9	28	19	0	8	228	8
26	13	10	10	166	10	27	15	9	0	1890	28	17	8	4	212	4	29	19	8	10	236	10
27	14	5	3	173	3	28	16	4	0	1960	29	18	3	11	219	11	30	20	5	0	245	0
28	14	11	8	179	8	29	16	11	0	2030	30	18	11	6	227	6	31	21	1	2	253	2
29	15	6	1	186	1	30	17	6	0	2100	31	19	7	1	235	1	32	21	9	4	261	4
30	16	0	6	192	6	31	18	1	0	2170	32	20	2	8	242	8	33	22	5	6	269	6
31	16	6	11	198	11	32	18	8	0	2240	33	20	10	3	250	3	34	23	1	8	277	8
32	17	1	4	205	4	33	19	3	0	2310	34	21	5	10	257	10	35	23	9	10	285	10
33	17	7	9	211	9	34	19	10	0	2380	35	22	1	5	265	5	36	24	6	0	294	0
34	18	2	2	218	2	35	20	5	0	2450	36	22	9	0	273	0	37	25	2	2	302	2
35	18	8	7	224	7	36	21	0	0	2520	37	23	4	7	280	7	38	25	10	4	310	4
36	19	3	0	231	0	37	21	7	0	2590	38	24	0	2	288	2	39	26	6	6	318	6
37	19	9	5	237	5	38	22	2	0	2660	39	24	7	9	295	9	40	27	2	8	326	8
38	20	3	10	243	10	39	22	9	0	2730	40	25	3	4	303	4	41	27	10	10	334	10
39	20	10	3	250	3	40	23	4	0	2800	41	25	10	11	310	11	42	28	7	0	343	0
40	21	4	8	256	8	41	23	11	0	2870	42	26	6	6	318	6	43	29	3	2	351	2
41	21	11	1	263	1	42	24	6	0	2940	43	27	2	1	326	1	44	29	11	4	359	4
42	22	5	6	269	6	43	25	1	0	3010	44	27	9	8	333	8	45	30	7	6	367	6
43	22	11	11	275	11	44	25	8	0	3080	45	28	5	3	341	3	46	31	3	8	375	8
44	23	6	4	282	4	45	26	3	0	3150	46	29	0	10	348	10	47	31	11	10	388	10
45	24	0	9	288	9	46	26	10	0	3220	47	29	8	5	356	5	48	32	8	0	392	0
46	24	7	2	295	2	47	27	5	0	3290	48	30	4	0	364	0	49	33	4	2	400	2
47	25	1	7	301	7	48	28	0	0	3360	49	30	11	7	371	7	50	34	0	4	408	4
48	25	8	0	308	0	49	28	7	0	3430	50	31	7	2	379	2	51	34	8	6	416	6
49	26	2	5	314	5	50	29	2	0	3500	51	32	2	9	386	9	52	35	4	8	424	8
50	26	8	10	320	10	51	29	9	0	3570	52	32	10	4	394	4	53	36	0	10	432	10
51	27	3	3	327	3	52	30	4	0	3640	53	33	5	11	401	11	54	36	9	0	441	0
52	27	9	8	333	8	53	30	11	0	3710	54	34	1	6	409	6	55	37	5	2	449	2
53	28	4	1	340	1	54	31	6	0	3780	55	34	9	1	417	1	56	38	1	4	457	4
54	28	10	6	346	6	55	32	1	0	3850	56	35	4	8	424	8	57	38	9	6	465	6

8			9			10			11		
	Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.
8	3 6 8	42 8	9	4 6 0	54 0	10	5 6 8	66 8	11	6 8 8	80 8
9	4 0 0	48 0	10	5 0 0	60 0	11	6 1 4	73 4	12	7 4 0	88 0
10	4 5 4	53 4	11	5 6 0	66 0	12	6 8 0	80 0	13	7 11 4	95 4
11	4 10 8	58 8	12	6 0 0	72 0	13	7 2 8	86 8	14	8 6 8	102 8
12	5 4 0	64 0	13	6 6 0	78 0	14	7 9 4	93 4	15	9 2 0	110 0
13	5 9 4	69 4	14	7 0 0	84 0	15	8 4 0	100 0	16	9 9 4	117 4
14	6 2 8	74 8	15	7 6 0	90 0	16	8 10 8	106 8	17	10 4 8	124 8
15	6 8 0	80 0	16	8 0 0	96 0	17	9 5 4	113 4	18	11 0 0	132 0
16	7 1 4	85 4	17	8 6 0	102 0	18	10 0 0	120 0	19	11 7 4	139 4
17	7 6 8	90 8	18	9 0 0	108 0	19	10 6 8	126 8	20	12 2 8	146 8
18	8 0 0	96 0	19	9 6 0	114 0	20	11 1 4	133 4	21	12 10 0	154 0
19	8 5 4	101 4	20	10 0 0	120 0	21	11 8 0	140 0	22	13 5 4	161 4
20	8 10 8	106 8	21	10 6 0	126 0	22	12 2 8	146 8	23	14 0 8	168 8
21	9 4 0	112 0	22	11 0 0	132 0	23	12 9 4	153 4	24	14 8 0	176 0
22	9 9 4	117 4	23	11 6 0	138 0	24	13 4 0	160 0	25	15 3 4	183 4
23	10 2 8	122 8	24	12 0 0	144 0	25	13 10 8	166 8	26	15 10 8	190 8
24	10 8 0	128 0	25	12 6 0	150 0	26	14 5 4	173 4	27	16 6 0	198 0
25	11 1 4	133 4	26	13 0 0	156 0	27	15 0 0	180 0	28	17 1 4	205 4
26	11 6 8	138 8	27	13 6 0	162 0	28	15 6 8	186 8	29	17 8 8	212 8
27	12 0 0	144 0	28	14 0 0	168 0	29	16 1 4	193 4	30	18 4 0	220 0
28	12 5 4	149 4	29	14 6 0	174 0	30	16 8 0	200 0	31	18 11 4	227 4
29	12 10 8	154 8	30	15 0 0	180 0	31	17 2 8	206 8	32	19 6 8	234 8
30	13 4 0	160 0	31	15 6 0	186 0	32	17 9 4	213 4	33	20 2 0	242 0
31	13 9 4	165 4	32	16 0 0	192 0	33	18 4 0	220 0	34	20 9 4	249 4
32	14 2 8	170 8	33	16 6 0	198 0	34	18 10 8	226 8	35	21 4 8	256 8
33	14 8 0	176 0	34	17 0 0	204 0	35	19 5 4	233 4	36	22 0 0	264 0
34	15 1 4	181 4	35	17 6 0	210 0	36	20 0 0	240 0	37	22 7 4	271 4
35	15 6 8	186 8	36	18 0 0	216 0	37	20 6 8	246 8	38	23 2 8	278 8
36	16 0 0	192 0	37	18 6 0	222 0	38	21 1 4	253 4	39	23 10 0	286 0
37	16 5 4	197 4	38	19 0 0	228 0	39	21 8 0	260 0	40	24 5 4	293 4
38	16 10 8	202 8	39	19 6 0	234 0	40	22 2 8	266 8	41	25 0 8	300 8
39	17 4 0	208 0	40	20 0 0	240 0	41	22 9 4	273 4	42	25 8 0	308 0
40	17 9 4	213 4	41	20 6 0	246 0	42	23 4 0	280 0	43	26 3 4	315 4
41	18 2 8	218 8	42	21 0 0	252 0	43	23 10 8	286 8	44	26 10 8	322 8
42	18 8 0	224 0	43	21 6 0	258 0	44	24 5 4	293 4	45	27 6 0	330 0
43	19 1 4	229 4	44	22 0 0	264 0	45	25 0 0	300 0	46	28 1 4	337 4
44	19 6 8	234 8	45	22 6 0	270 0	46	25 6 8	306 8	47	28 8 8	344 8
45	20 0 0	240 0	46	23 0 0	276 0	47	26 1 4	313 4	48	29 4 0	352 0
46	20 5 4	245 4	47	23 6 0	282 0	48	26 8 0	320 0	49	29 11 4	359 4
47	20 10 8	250 8	48	24 0 0	288 0	49	27 2 8	326 8	50	30 6 8	366 8
48	21 4 0	256 0	49	24 6 0	294 0	50	27 9 4	333 4			
49	21 9 4	261 4	50	25 0 0	300 0						
50	22 2 8	266 8									

12			13			14			15		
	Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. p.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.
12	8 0 0	96 0	13	9 4 8	112 8	14	10 10 8	130 8	15	12 6 0	150 0
13	8 8 0	104 0	14	10 1 4	121 4	15	11 8 0	140 0	16	13 4 0	160 0
14	9 4 0	112 0	15	10 10 0	130 0	16	12 5 4	149 4	17	14 2 0	170 0
15	10 0 0	120 0	16	11 6 8	138 8	17	13 2 8	158 8	18	15 0 0	180 0
16	10 8 0	128 0	17	12 3 4	147 4	18	14 0 0	168 0	19	15 10 0	190 0
17	11 4 0	136 0	18	13 0 0	156 0	19	14 9 4	177 4	20	16 8 0	200 0
18	12 0 0	144 0	19	13 8 8	164 8	20	15 6 8	186 8	21	17 6 0	210 0
19	12 8 0	152 0	20	14 5 4	173 4	21	16 4 0	196 0	22	18 4 0	220 0
20	13 4 0	160 0	21	15 2 0	182 0	22	17 1 4	205 4	23	19 2 0	230 0
21	14 0 0	168 0	22	15 10 8	190 8	23	17 10 8	214 8	24	20 0 0	240 0
22	14 8 0	176 0	23	16 7 4	199 4	24	18 8 0	224 0	25	20 10 0	250 0
23	15 4 0	184 0	24	17 4 0	208 0	25	19 5 4	233 4	26	21 8 0	260 0
24	16 0 0	192 0	25	18 0 8	216 8	26	20 2 8	242 8	27	22 6 0	270 0
25	16 8 0	200 0	26	18 9 4	225 4	27	21 0 0	252 0	28	23 4 0	280 0
26	17 4 0	208 0	27	19 6 0	234 0	28	21 9 4	261 4	29	24 2 0	290 0
27	18 0 0	216 0	28	20 2 8	242 8	29	22 6 8	270 8	30	25 0 0	300 0
28	18 8 0	224 0	29	20 11 4	251 4	30	23 4 0	280 0	31	25 10 0	310 0
29	19 4 0	232 0	30	21 8 0	260 0	31	24 1 4	289 4	32	26 8 0	320 0
30	20 0 0	240 0	31	22 4 8	268 8	32	24 10 8	298 8	33	27 6 0	330 0
31	20 8 0	248 0	32	23 1 4	277 4	33	25 8 0	308 0	34	28 4 0	340 0
32	21 4 0	256 0	33	23 10 0	286 0	34	26 5 4	317 4	35	29 2 0	350 0
33	22 0 0	264 0	34	24 6 8	294 8	35	27 2 8	326 8	36	30 0 0	360 0
34	22 8 0	272 0	35	25 3 4	303 4	36	28 0 0	336 0	37	30 10 0	370 0
35	23 4 0	280 0	36	26 0 0	312 0	37	28 9 4	345 4	38	31 8 0	380 0
36	24 0 0	288 0	37	26 8 8	320 8	38	29 6 8	354 8	39	32 6 0	390 0
37	24 8 0	294 0	38	27 5 4	329 4	39	30 4 0	364 0	40	33 4 0	400 0
38	25 4 0	304 0	39	28 2 0	338 0	40	31 1 4	373 4	41	34 2 0	410 0
39	26 0 0	312 0	40	28 10 8	346 8	41	31 10 8	382 8	42	35 0 0	420 0
40	26 8 0	320 0	41	29 7 4	355 4	42	32 8 0	392 0	43	35 10 0	430 0
41	27 4 0	328 0	42	30 4 0	364 0	43	33 5 4	401 4	44	36 8 0	440 0
42	28 0 0	336 0	43	31 0 8	372 8	44	34 2 8	410 8	45	37 6 0	450 0
43	28 8 0	344 0	44	31 9 4	381 4	45	35 0 0	420 0	46	38 4 0	460 0
44	29 4 0	352 0	45	32 6 0	390 0	46	35 9 4	429 4	47	39 2 0	470 0
45	30 0 0	360 0	46	33 2 8	398 8	47	36 6 8	438 8	48	40 0 0	480 0
46	30 8 0	368 0	47	33 11 4	407 4	48	37 4 0	448 0	49	40 10 0	490 0
47	31 4 0	376 0	48	34 8 0	416 0	49	38 1 4	457 4	50	41 8 0	500 0
48	32 0 0	384 0	49	35 4 8	424 8	50	38 10 8	466 8			
49	32 8 0	392 0	50	36 1 4	433 4						
50	33 4 0	400 0									

9			10			11			12		
	Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.
9	5 0 9	60 9	10	6 3 0	75 0	11	7 6 9	90 9	12	9 0 0	108 0
10	5 7 6	67 6	11	6 10 6	82 6	12	8 3 0	99 0	13	9 9 0	117 0
11	6 2 3	74 3	12	7 6 0	90 0	13	8 11 3	107 3	14	10 6 0	126 0
12	6 9 0	81 0	13	8 1 6	97 6	14	9 7 6	115 6	15	11 3 0	135 0
13	7 3 9	87 9	14	8 9 0	105 0	15	10 3 9	123 9	16	12 0 0	144 0
14	7 10 6	94 6	15	9 4 6	112 6	16	11 0 0	132 0	17	12 9 0	153 0
15	8 5 3	101 3	16	10 0 0	120 0	17	11 8 3	140 3	18	13 6 0	162 0
16	9 0 0	108 0	17	10 7 6	127 6	18	12 4 6	148 6	19	14 3 0	171 0
17	9 6 9	114 9	18	11 3 0	135 0	19	13 0 9	156 9	20	15 0 0	180 0
18	10 1 6	121 6	19	11 10 6	142 6	20	13 9 0	165 0	21	15 9 0	189 0
19	10 8 3	128 3	20	12 6 0	150 0	21	14 5 3	173 3	22	16 6 0	198 0
20	11 3 0	135 0	21	13 1 6	157 6	22	15 1 6	181 6	23	17 3 0	207 0
21	11 9 9	141 9	22	13 9 0	165 0	23	15 9 9	189 9	24	18 0 0	216 0
22	12 4 6	148 6	23	14 4 6	172 6	24	16 6 0	198 0	25	18 9 0	225 0
23	12 11 3	155 3	24	15 0 0	180 0	25	17 2 3	206 3	26	19 6 0	234 0
24	13 6 0	162 0	25	15 7 6	187 6	26	17 10 6	214 6	27	20 3 0	243 0
25	14 0 9	168 9	26	16 3 0	195 0	27	18 6 9	222 9	28	21 0 0	252 0
26	14 7 6	175 6	27	16 10 6	202 6	28	19 3 0	231 0	29	21 9 0	261 0
27	15 2 3	182 3	28	17 6 0	210 0	29	19 11 3	239 3	30	22 6 0	270 0
28	15 9 0	189 0	29	18 1 6	217 6	30	20 7 6	247 6	31	23 3 0	279 0
29	16 3 9	195 9	30	18 9 0	225 0	31	21 3 9	255 9	32	24 0 0	288 0
30	16 10 6	202 6	31	19 4 6	232 6	32	22 0 0	264 0	33	24 9 0	297 0
31	17 5 3	209 3	32	20 0 0	240 0	33	22 8 3	272 3	34	25 6 0	306 0
32	18 0 0	216 0	33	20 7 6	247 6	34	23 4 6	280 6	35	26 3 0	315 0
33	18 6 9	222 9	34	21 3 0	255 0	35	24 0 9	288 9	36	27 0 0	324 0
34	19 1 6	229 6	35	21 10 6	262 6	36	24 9 0	297 0	37	27 9 0	333 0
35	19 8 3	236 3	36	22 6 0	270 0	37	25 5 3	305 3	38	28 6 0	342 0
36	20 3 0	243 0	37	23 1 6	277 6	38	26 1 6	313 6	39	29 3 0	351 0
37	20 9 9	249 9	38	23 9 0	285 0	39	26 9 9	321 9	40	30 0 0	360 0
38	21 4 6	256 6	39	24 4 6	292 6	40	27 6 0	330 0	41	30 9 0	369 0
39	21 11 3	263 3	40	25 0 0	300 0	41	28 2 3	338 3	42	31 6 0	378 0
40	22 6 0	270 0	41	25 7 6	307 6	42	28 10 6	346 6	43	32 3 0	387 0
41	23 0 9	276 9	42	26 3 0	315 0	43	29 6 9	354 9	44	33 0 0	396 0
42	23 7 6	283 6	43	26 10 6	322 6	44	30 3 0	363 0	45	33 9 0	405 0
43	24 2 3	290 3	44	27 6 0	330 0	45	30 11 3	371 3	46	34 6 0	414 0
44	24 9 0	297 0	45	28 1 6	337 6	46	31 9 6	379 6	47	35 3 0	423 0
45	25 3 9	303 9	46	28 9 0	345 0	47	32 3 9	387 9	48	36 0 0	432 0
46	25 10 6	310 6	47	29 4 6	352 6	48	33 0 0	396 0	49	36 9 0	441 0
47	26 5 3	317 3	48	30 0 0	360 0	49	33 8 3	404 3	50	37 6 0	450 0
48	27 0 0	324 0	49	30 7 6	367 6	50	34 4 6	412 6			
49	27 6 9	330 9	50	31 3 0	375 0						
50	28 1 6	337 6									

13					14					15					16				
Cubic ft. in. pt.				Superfi. ft. in.	Cubic ft. in. pt.				Superfi. ft. in.	Cubic ft. in. pt.				Superfi. ft. in.	Cubic ft. in. pt.				Superfi. ft. in.
13	10	6	9	126 9	14	12	3	0	147 0	15	14	0	9	168 9	16	16	0	0	192 0
14	11	4	6	136 6	15	13	1	6	157 6	16	15	0	0	180 0	17	17	0	0	204 0
15	12	2	3	146 3	16	14	0	0	168 0	17	15	11	3	191 3	18	18	0	0	216 0
16	13	0	0	156 0	17	14	10	6	178 6	18	16	10	6	202 6	19	19	0	0	228 0
17	13	9	9	165 9	18	15	9	0	189 0	19	17	9	9	213 9	20	20	0	0	240 0
18	14	7	6	175 6	19	16	7	6	199 6	20	18	9	0	225 0	21	21	0	0	252 0
19	15	5	3	185 3	20	17	6	0	210 0	21	19	8	3	236 3	22	22	0	0	264 0
20	16	3	0	195 0	21	18	4	6	220 6	22	20	7	6	247 6	23	23	0	0	276 0
21	17	0	9	204 9	22	19	3	0	231 0	23	21	6	9	258 9	24	24	0	0	288 0
22	17	10	6	214 6	23	20	1	6	241 6	24	22	6	0	270 0	25	25	0	0	300 0
23	18	8	3	224 3	24	21	0	0	252 0	25	23	5	3	281 3	26	26	0	0	312 0
24	19	6	0	234 0	25	21	10	6	262 6	26	24	4	6	292 6	27	27	0	0	324 0
25	20	3	9	243 9	26	22	9	0	273 0	27	25	3	9	303 9	28	28	0	0	336 0
26	21	1	6	253 6	27	23	7	6	283 6	28	26	3	0	315 0	29	29	0	0	348 0
27	21	11	3	263 3	28	24	6	0	294 0	29	27	2	3	326 3	30	30	0	0	360 0
28	22	9	0	273 0	29	25	4	6	304 6	30	28	1	6	337 6	31	31	0	0	372 0
29	23	6	9	282 9	30	26	3	0	315 0	31	29	0	9	348 9	32	32	0	0	384 0
30	24	4	6	292 6	31	27	1	6	325 6	32	30	0	0	360 0	33	33	0	0	396 0
31	25	2	3	302 3	32	28	0	0	336 0	33	30	11	3	371 3	34	34	0	0	408 0
32	26	0	0	312 0	33	28	10	6	346 6	34	31	10	6	382 6	35	35	0	0	420 0
33	26	9	9	321 9	34	29	9	0	357 0	35	32	9	9	393 9	36	36	0	0	432 0
34	27	7	6	331 6	35	30	7	6	367 6	36	33	9	0	405 0	37	37	0	0	444 0
35	28	5	3	341 3	36	31	6	0	378 0	37	34	8	3	416 3	38	38	0	0	456 0
36	29	3	0	351 0	37	32	4	6	388 6	38	35	7	6	427 6	39	39	0	0	468 0
37	30	0	9	360 9	38	33	3	0	399 0	39	36	6	9	438 9	40	40	0	0	480 0
38	30	10	6	370 6	39	34	1	6	409 6	40	37	6	0	450 0	41	41	0	0	492 0
39	31	8	3	380 3	40	35	0	0	420 0	41	38	5	3	461 3	42	42	0	0	504 0
40	32	6	0	390 0	41	35	10	6	430 6	42	39	4	6	472 6	43	43	0	0	516 0
41	33	3	9	399 9	42	36	9	0	441 0	43	40	3	9	483 9	44	44	0	0	528 0
42	34	1	6	409 6	43	37	7	6	451 6	44	41	3	0	495 0	45	45	0	0	540 0
43	34	11	3	419 3	44	38	6	0	462 0	45	42	2	3	506 3	46	46	0	0	552 0
44	35	9	0	429 0	45	39	4	6	472 6	46	43	1	6	517 6	47	47	0	0	564 0
45	36	6	9	438 9	46	40	3	0	483 0	47	44	0	9	528 9	48	48	0	0	576 0
46	37	4	6	448 6	47	41	1	6	493 6	48	45	0	0	540 0	49	49	0	0	588 0
47	38	2	3	458 3	48	42	0	0	504 0	49	45	11	3	551 3	50	50	0	0	600 0
48	39	0	0	468 0	49	42	10	6	514 6										
49	39	9	9	477 9	50	43	9	0	525 0										
50	40	7	6	487 6															

10			11			12			13		
	Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.
10	6 11 4	83 4	11	8 4 10	100 10	12	10 0 0	120 0	13	11 8 10	140 10
11	7 7 8	91 8	12	9 2 0	110 0	13	10 10 0	130 0	14	12 7 8	151 8
12	8 4 0	100 0	13	9 11 2	119 2	14	11 8 0	140 0	15	13 6 6	162 6
13	9 0 4	180 4	14	10 8 4	128 4	15	12 6 0	150 0	16	14 5 4	173 4
14	9 8 8	116 8	15	11 5 6	137 6	16	13 4 0	160 0	17	15 4 2	184 2
15	10 5 0	125 0	16	12 2 8	146 8	17	14 2 0	170 0	18	16 3 0	195 0
16	11 1 4	133 4	17	12 11 10	155 10	18	15 0 0	180 0	19	17 1 10	205 10
17	11 9 8	141 8	18	13 9 0	165 0	19	15 10 0	190 0	20	18 0 8	216 8
18	12 6 0	150 0	19	14 6 2	174 2	20	16 8 0	200 0	21	18 11 6	227 6
19	13 2 4	158 4	20	15 3 4	183 4	21	17 6 0	210 0	22	19 10 4	238 4
20	13 10 8	166 8	21	16 0 6	192 6	22	18 4 0	220 0	23	20 9 2	249 2
21	14 7 0	175 0	22	16 9 8	201 8	23	19 2 0	230 0	24	21 8 0	260 0
22	15 3 4	183 4	23	17 6 10	210 10	24	20 0 0	240 0	25	22 6 10	270 10
23	15 11 8	191 8	24	18 4 0	220 0	25	20 10 0	250 0	26	23 5 8	281 8
24	16 8 0	200 0	25	19 1 2	229 2	26	21 8 0	260 0	27	24 4 6	292 6
25	17 4 4	208 4	26	19 10 4	238 4	27	22 6 0	270 0	28	25 3 4	303 4
26	18 0 8	216 8	27	20 7 6	247 6	28	23 4 0	280 0	29	26 2 2	314 2
27	18 9 0	225 0	28	21 4 8	256 8	29	24 2 0	290 0	30	27 1 0	325 0
28	19 5 4	233 4	29	22 1 10	265 10	30	25 0 0	300 0	31	27 11 10	335 10
29	20 1 8	241 8	30	22 11 0	275 0	31	25 10 0	310 0	32	28 10 8	346 8
30	20 10 0	250 0	31	23 8 2	284 2	32	26 8 0	320 0	33	29 9 6	357 6
31	21 6 4	258 4	32	24 5 4	293 4	33	27 6 0	330 0	34	30 8 4	368 4
32	22 2 8	266 8	33	25 2 6	302 6	34	28 4 0	340 0	35	31 7 2	379 2
33	22 11 0	275 0	34	25 11 8	311 8	35	29 2 0	350 0	36	32 6 0	390 0
34	23 7 4	283 4	35	26 8 10	320 10	36	30 0 0	360 0	37	33 4 10	400 10
35	24 3 8	291 8	36	27 6 0	330 0	37	30 10 0	370 0	38	34 3 8	411 8
36	25 0 0	300 0	37	28 3 2	339 2	38	31 8 0	380 0	39	35 2 6	422 6
37	25 8 4	308 4	38	29 0 4	348 4	39	32 6 0	390 0	40	36 1 4	433 4
38	26 4 8	316 8	39	29 9 6	357 6	40	33 4 0	400 0	41	37 0 2	444 2
39	27 1 0	325 0	40	30 6 8	366 8	41	34 2 0	410 0	42	37 11 0	455 0
40	27 9 4	333 4	41	31 3 10	375 10	42	35 0 0	420 0	43	38 9 10	465 10
41	28 5 8	341 8	42	32 1 0	385 0	43	35 10 0	430 0	44	39 8 8	476 8
42	29 2 0	350 0	43	32 10 2	394 2	44	36 8 0	440 0	45	40 7 6	487

14

	Cubic ft. in. pt.			Superfi. ft. in.
14	13	7	4	163 4
15	14	7	0	175 0
16	15	6	8	186 8
17	16	6	4	198 4
18	17	6	0	210 0
19	18	5	8	221 8
20	19	5	4	233 4
21	20	5	0	245 0
22	21	4	8	256 8
23	22	4	4	268 4
24	23	4	0	280 0
25	24	3	8	291 8
26	25	3	4	303 4
27	26	3	0	315 0
28	27	2	8	326 8
29	28	2	4	338 4
30	29	2	0	350 0
31	30	1	8	361 8
32	31	1	4	373 4
33	32	1	0	385 0
34	33	0	8	396 8
35	34	0	4	408 4
36	35	0	0	420 0
37	35	11	8	431 8
38	36	11	4	443 4
39	37	11	0	455 0
40	38	10	8	466 8
41	39	10	4	478 4
42	40	10	0	490 0
43	41	9	8	501 8
44	42	9	4	513 4
45	43	9	0	525 0
46	44	8	8	536 8
47	45	8	4	548 4
48	46	8	0	560 0
49	47	7	8	571 8
50	48	7	4	583 4

15

	Cubic ft. in. pt.			Superfi. ft. in.
15	15	7	6	187 6
16	16	8	0	200 0
17	17	8	6	212 6
18	18	9	0	225 0
19	19	9	6	237 6
20	20	10	0	250 0
21	21	10	6	262 6
22	22	11	0	275 0
23	23	11	6	287 6
24	25	0	0	300 0
25	26	0	6	312 6
26	27	1	0	325 0
27	28	1	6	337 6
28	29	2	0	350 0
29	30	2	6	362 6
30	31	3	0	375 0
31	32	3	6	387 6
32	33	4	0	400 0
33	34	4	6	412 6
34	35	5	0	425 0
35	36	5	6	437 6
36	37	6	0	450 0
37	38	6	6	462 6
38	39	7	0	475 0
39	40	7	6	487 6
40	41	8	0	500 0
41	42	8	6	512 6
42	43	9	0	525 0
43	44	9	6	537 6
44	45	10	0	550 0
45	46	10	6	562 6
46	47	11	0	575 0
47	48	11	6	587 6
48	50	0	0	600 0
49	51	0	6	612 6
50	52	1	0	625 0

16

	Cubic ft. in. pt.			Superfi. ft. in.
16	17	9	4	213 4
17	18	10	8	226 8
18	20	0	0	240 0
19	21	1	4	253 4
20	22	2	8	266 8
21	23	4	0	280 0
22	24	5	4	293 4
23	25	6	8	306 8
24	26	8	0	320 0
25	27	9	4	333 4
26	28	10	8	346 8
27	30	0	0	360 0
28	31	1	4	373 4
29	32	2	8	386 8
30	33	4	0	400 0
31	34	5	4	413 4
32	35	6	8	426 8
33	36	8	0	440 0
34	37	9	4	453 4
35	38	10	8	466 8
36	40	0	0	480 0
37	41	1	4	493 4
38	42	2	8	506 8
39	43	4	0	520 0
40	44	5	4	533 4
41	45	6	8	546 8
42	46	8	0	560 0
43	47	9	4	573 4
44	48	10	8	586 8
45	50	0	0	600 0
46	51	1	4	613 4
47	52	2	8	626 8
48	53	4	0	640 0
49	54	5	4	653 4
50	55	6	8	666 8

17

	Cubic ft. in. pt.			Superfi. ft. in.
17	20	0	10	240 10
18	21	3	0	254 0
19	22	5	2	269 2
20	23	7	4	283 4
21	24	9	6	297 6
22	25	11	8	311 8
23	27	1	10	325 10
24	28	4	0	340 0
25	29	6	2	354 2
26	30	8	4	368 4
27	31	10	6	382 6
28	33	0	8	396 8
29	34	2	10	410 10
30	35	5	0	425 0
31	36	7	2	439 2
32	37	9	4	453 4
33	38	11	6	467 6
34	40	1	8	481 8
35	41	3	10	495 10
36	42	6	0	510 0
37	43	8	2	524 2
38	44	10	4	538 4
39	46	0	6	552 6
40	47	2	8	566 8
41	48	4	10	580 10
42	49	7	0	595 0
43	50	9	2	609 2
44	51	11	4	623 4
45	53	1	6	637 6
46	54	3	8	651 8
47	55	5	10	665 10
48	56	8	0	680 0
49	57	10	2	694 2
50	59	0	4	708 4

11					12					13					14								
Cubic. ft. in. pt.			Superfi. ft. in.		Cubic ft. in. pt.			Superfi. ft. in.		Cubic ft. in. pt.			Superfi. ft. in.		Cubic ft. in. pt.			Superfi. ft. in.					
11	9	2	10	110	10	12	11	0	0	132	0	13	12	10	11	154	11	14	14	11	8	179	8
12	10	1	0	121	0	13	11	11	0	143	0	14	13	10	10	166	10	15	16	0	6	192	6
13	10	11	1	131	1	14	12	10	0	154	0	15	14	10	9	178	9	16	17	1	4	205	4
14	11	9	2	141	2	15	13	9	0	165	0	16	15	10	8	190	8	17	18	2	2	218	2
15	12	7	3	151	3	16	14	8	0	176	0	17	16	10	7	202	7	18	19	3	0	231	0
16	13	5	4	161	4	17	15	7	0	187	0	18	17	10	6	214	6	19	20	3	10	143	10
17	14	3	5	171	5	18	16	6	0	198	0	19	18	10	5	226	5	20	21	4	8	256	8
18	15	1	6	181	6	19	17	5	0	209	0	20	19	10	4	238	4	21	22	5	6	269	6
19	15	11	7	191	7	20	18	4	0	220	0	21	20	10	3	250	3	22	23	6	4	282	4
20	16	9	8	201	8	21	19	3	0	231	0	22	21	10	2	262	2	23	24	7	2	295	2
21	17	7	9	211	9	22	20	2	0	242	0	23	22	10	1	274	1	24	25	8	0	308	0
22	18	5	10	221	10	23	21	1	0	253	0	24	23	10	0	286	0	25	26	8	10	320	10
23	19	3	11	231	11	24	22	0	0	264	0	25	24	9	11	297	11	26	27	9	8	333	8
24	20	2	0	242	0	25	22	11	0	275	0	26	25	9	10	309	10	27	28	10	6	346	6
25	21	0	1	252	1	26	23	10	0	286	0	27	26	9	9	321	9	28	29	11	4	359	4
26	21	10	2	262	2	27	24	9	0	297	0	28	27	9	8	333	8	29	31	0	2	372	2
27	22	8	3	272	3	28	25	8	0	308	0	29	28	9	7	345	7	30	32	1	0	385	0
28	23	6	4	282	4	29	26	7	0	319	0	30	29	9	6	357	6	31	33	1	10	397	10
29	24	4	5	292	5	30	27	6	0	330	0	31	30	9	5	369	5	32	34	2	8	410	8
30	25	2	6	302	6	31	28	5	0	341	0	32	31	9	4	381	4	33	35	3	6	423	6
31	26	0	7	312	7	32	29	4	0	352	0	33	32	9	3	393	3	34	36	4	4	436	4
32	26	10	8	322	8	33	30	3	0	363	0	34	33	9	2	405	2	35	37	5	2	449	2
33	27	8	9	332	9	34	31	2	0	374	0	35	34	9	1	417	1	36	38	6	0	462	0
34	28	6	10	342	10	35	32	1	0	385	0	36	35	9	0	429	0	37	39	6	10	474	10
35	29	4	11	352	11	36	33	0	0	396	0	37	36	8	11	440	11	38	40	7	8	487	8
36	30	3	0	363	0	37	33	11	0	407	0	38	37	8	10	452	10	39	41	8	6	500	6
37	31	1	1	373	1	38	34	10	0	418	0	39	38	8	9	464	9	40	42	9	4	513	4
38	31	11	2	383	2	39	35	9	0	429	0	40	39	8	8	476	8	41	43	10	2	526	2
39	32	9	3	393	3	40	36	8	0	440	0	41	40	8	7	488	7	42	44	11	0	539	0
40	33	7	4	403	4	41	37	7	0	451	0	42	41	8	6	500	6	43	45	11	10	551	10
41	34	5	5	413	5	42	38	6	0	462	0	43	42	8	5	512	5	44	47	0	8	564	8
42	35	3	6	423	6	43	39	5	0	473	0	44	43	8	4	524	3	45	48	1	6	577	6
43	36	1	7	433	7	44	40	4	0	484	0	45	44	8	3	536	4	46	49	2	4	590	4
44	36	11	8	443	8	45	41	3	0	495	0	46	45	8	2	548	2	47	50	3	2	603	2
45	37	9	9	453	9	46	42	2	0	506	0	47	46	8	1	560	1	48	51	4	0	616	0
46	38	7	10	463	10	47	43	1	0	517	0	48	47	8	0	572	0	49	52	4	10	628	10
47	39	5	11	473	11	48	44	0	0	528	0	49	48	7	11	583	11	50	53	5	8	641	8
48	40	4	0	484	0	49	44	11	0	539	0	50	49	7	10	595	10						
49	41	2	1	494	1	50	45	10	0	550	0												
50	42	0	2	504	2																		

15

16

17

18

	Cubic ft. in. pt.			Superfi. ft. in.				Cubic ft. in. pt.			Superfi. ft. in.				Cubic ft. in. pt.			Superfi. ft. in.				Cubic ft. in. pt.			Superfi. ft. in.		
15	17	2	3	206	3		16	19	6	8	234	8		17	22	0	11	264	11		18	24	9	0	297	0	
16	18	4	0	220	0		17	20	9	4	249	4		18	23	4	6	280	6		19	26	1	6	313	6	
17	19	5	9	233	9		18	22	0	0	264	0		19	24	8	1	296	1		20	27	6	0	330	0	
18	20	7	6	247	6		19	23	2	8	278	8		20	25	11	8	311	8		21	28	10	6	346	6	
19	21	9	3	261	3		20	24	5	4	293	4		21	27	3	3	327	3		22	30	3	0	363	0	
20	22	11	0	275	0		21	25	8	0	308	0		22	28	6	10	342	10		23	31	7	6	379	6	
21	24	0	9	288	9		22	26	10	8	322	8		23	29	10	5	358	5		24	33	0	0	396	0	
22	25	2	6	302	6		23	28	1	4	337	4		24	31	2	0	374	0		25	34	4	6	412	6	
23	26	4	3	316	3		24	29	4	0	352	0		25	32	5	7	389	7		26	35	9	0	429	0	
24	27	6	0	330	0		25	30	6	8	366	8		26	33	9	2	405	2		27	37	1	6	445	6	
25	28	7	9	343	9		26	31	9	4	381	4		27	35	0	9	420	9		28	38	6	0	462	0	
26	29	9	6	357	6		27	33	0	0	396	0		28	36	4	4	436	4		29	39	10	6	478	6	
27	30	11	3	371	3		28	34	2	8	410	8		29	37	7	11	451	11		30	41	3	0	495	0	
28	32	1	0	385	0		29	35	5	4	425	4		30	38	11	6	467	6		31	42	7	6	511	6	
29	33	3	9	399	9		30	36	8	0	440	0		31	40	3	1	483	1		32	44	0	0	528	0	
30	34	4	6	412	6		31	37	10	8	454	8		32	41	6	8	498	8		33	45	4	6	544	6	
31	35	6	3	426	3		32	39	1	4	469	4		33	42	10	3	514	3		34	46	9	0	561	0	
32	36	8	0	440	0		33	40	4	0	484	0		34	44	1	10	529	10		35	48	1	6	577	6	
33	37	9	9	453	9		34	41	6	8	498	8		35	45	5	5	545	5		36	49	6	0	594	0	
34	38	11	6	467	6		35	42	9	4	513	4		36	46	9	0	561	0		37	50	10	6	610	6	
35	40	1	3	481	3		36	44	0	0	528	0		37	48	0	7	576	7		38	52	3	0	627	0	
36	41	3	0	495	0		37	45	2	8	542	8		38	49	4	2	592	2		39	53	7	6	643	6	
37	42	4	9	508	9		38	46	5	4	557	4		39	50	7	9	607	9		40	55	0	0	660	0	
38	43	6	6	522	6		39	47	8	0	572	0		40	51	11	4	623	4		41	56	4	6	676	6	
39	44	8	3	536	3		40	48	10	8	586	8		41	53	2	11	638	11		42	57	9	0	693	0	
40	45	10	0	550	0		41	50	1	4	601	4		42	54	6	6	654	6		43	59	1	6	709	6	
41	46	11	9	563	9		42	51	4	0	616	0		43	55	10	1	670	1		44	60	6	0	726	0	
42	48	1	6	577	6		43	52	6	8	630	8		44	57	1	8	685	8		45	61	10	6	742	6	
43	49	3	3	591	3		44	53	9	4	645	4		45	58	5	3	701	3		46	63	3	0	759	0	
44	50	5	0	605	0		45	55	0	0	660	0		46	59	8	10	716	10		47	64	7	6	775	6	
45	51	6	9	618	9		46	56	2	8	674	8		47	61	0	5	732	5		48	66	0	0	792	0	
46	52	8	6	632	6		47	57	5	4	689	4		48	62	4	0	748	0		49	67	4	6	808	6	
47	53	10	3	646	3		48	58	8	0	704	0		49	63	7	7	763	7		50	68	9	0	825	0	
48	55	0	0	660	0		49	59	10	8	718	8		50	64	11	2	779	2								
49	56	1	9	673	9		50	61	1	4	733	4															
50	57	3	6	687	6																						

12			13			14			15		
	Cubic ft. in pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.
12	12 0 0	144 0	13	14 1 0	169 0	14	16 4 0	196 0	15	18 9 0	225 0
13	13 0 0	156 0	14	15 2 0	182 0	15	17 6 0	210 0	16	20 0 0	240 0
14	14 0 0	168 0	15	16 3 0	195 0	16	18 8 0	224 0	17	21 3 0	255 0
15	15 0 0	180 0	16	17 4 0	208 0	17	19 10 0	238 0	18	22 6 0	270 0
16	16 0 0	192 0	17	18 5 0	221 0	18	21 0 0	252 0	19	23 9 0	285 0
17	17 0 0	204 0	18	19 6 0	234 0	19	22 2 0	266 0	20	25 0 0	300 0
18	18 0 0	216 0	19	20 7 0	247 0	20	23 4 0	280 0	21	26 3 0	315 0
19	19 0 0	228 0	20	21 8 0	260 0	21	24 6 0	294 0	22	27 6 0	330 0
20	20 0 0	240 0	21	22 9 0	273 0	22	25 8 0	308 0	23	28 9 0	345 0
21	21 0 0	252 0	22	23 10 0	286 0	23	26 10 0	322 0	24	30 0 0	360 0
22	22 0 0	264 0	23	24 11 0	299 0	24	28 0 0	336 0	25	31 3 0	375 0
23	23 0 0	276 0	24	26 0 0	312 0	25	29 2 0	350 0	26	32 6 0	390 0
24	24 0 0	288 0	25	27 1 0	325 0	26	30 4 0	364 0	27	33 9 0	405 0
25	25 0 0	300 0	26	28 2 0	338 0	27	31 6 0	378 0	28	35 0 0	420 0
26	26 0 0	312 0	27	29 3 0	351 0	28	32 8 0	392 0	29	36 3 0	435 0
27	27 0 0	324 0	28	30 4 0	364 0	29	33 10 0	406 0	30	37 6 0	450 0
28	28 0 0	336 0	29	31 5 0	377 0	30	35 0 0	420 0	31	38 9 0	465 0
29	29 0 0	348 0	30	32 6 0	390 0	31	36 2 0	434 0	32	40 0 0	480 0
30	30 0 0	360 0	31	33 7 0	403 0	32	37 4 0	448 0	33	41 3 0	495 0
31	31 0 0	372 0	32	34 8 0	416 0	33	38 6 0	462 0	34	42 6 0	510 0
32	32 0 0	384 0	33	35 9 0	429 0	34	39 8 0	476 0	35	43 9 0	525 0
33	33 0 0	396 0	34	36 10 0	442 0	35	40 10 0	490 0	36	45 0 0	540 0
34	34 0 0	408 0	35	37 11 0	455 0	36	42 0 0	504 0	37	46 3 0	555 0
35	35 0 0	420 0	36	39 0 0	468 0	37	43 2 0	518 0	38	47 6 0	570 0
36	36 0 0	432 0	37	40 1 0	481 0	38	44 4 0	532 0	39	48 9 0	585 0
37	37 0 0	444 0	38	41 2 0	494 0	39	45 6 0	546 0	40	50 0 0	600 0
38	38 0 0	456 0	39	42 3 0	507 0	40	46 8 0	560 0	41	51 3 0	615 0
39	39 0 0	468 0	40	43 4 0	520 0	41	47 10 0	574 0	42	52 6 0	630 0
40	40 0 0	480 0	41	44 5 0	533 0	42	49 0 0	588 0	43	53 9 0	645 0
41	41 0 0	492 0	42	45 6 0	546 0	43	50 2 0	602 0	44	55 0 0	660 0
42	42 0 0	504 0	43	46 7 0	559 0	44	51 4 0	616 0	45	56 3 0	675 0
43	43 0 0	516 0	44	47 8 0	572 0	45	52 6 0	630 0	46	57 6 0	690 0
44	44 0 0	528 0	45	48 9 0	585 0	46	53 8 0	644 0	47	58 9 0	705 0
45	45 0 0	540 0	46	49 10 0	598 0	47	54 10 0	658 0	48	60 0 0	720 0
46	46 0 0	552 0	47	50 11 0	611 0	48	56 0 0	672 0	49	61 3 0	735 0
47	47 0 0	564 0	48	52 0 0	624 0	49	57 2 0	686 0	50	62 6 0	750 0
48	48 0 0	576 0	49	53 1 0	637 0	50	58 4 0	700 0			
49	49 0 0	588 0	50	54 2 0	650 0						
50	50 0 0	600 0									

16			17			18			19														
Cubic ft. in. pt.			Superfi. ft. in.			Cubic ft. in. pt.			Superfi. ft. in.			Cubic ft. in. pt.			Superfi. ft. in.								
16	21	4 0	256	0		17	24	1 0	289	0		18	27	0 0	324	0		19	30	1 0	361	0	
17	22	8 0	272	0		18	25	6 0	306	0		19	28	6 0	342	0		20	31	8 0	380	0	
18	24	0 0	288	0		19	26	11 0	323	0		20	30	0 0	360	0		21	33	3 0	399	0	
19	25	4 0	304	0		20	28	4 0	340	0		21	31	6 0	378	0		22	34	10 0	418	0	
20	26	8 0	320	0		21	29	9 0	357	0		22	33	0 0	396	0		23	36	5 0	437	0	
21	28	0 0	336	0		22	31	2 0	374	0		23	34	6 0	414	0		24	38	0 0	456	0	
22	29	4 0	352	0		23	32	7 0	391	0		24	36	0 0	432	0		25	39	7 0	475	0	
23	30	8 0	368	0		24	34	0 0	408	0		25	37	6 0	450	0		26	41	2 0	494	0	
24	32	0 0	384	0		25	35	5 0	425	0		26	39	0 0	468	0		27	42	9 0	513	0	
25	33	4 0	400	0		26	36	10 0	442	0		27	40	6 0	486	0		28	44	4 0	532	0	
26	34	8 0	416	0		27	38	3 0	459	0		28	42	0 0	504	0		29	45	11 0	551	0	
27	36	0 0	432	0		28	39	8 0	476	0		29	43	6 0	522	0		30	47	6 0	570	0	
28	37	4 0	448	0		29	41	1 0	493	0		30	45	0 0	540	0		31	49	1 0	589	0	
29	38	8 0	464	0		30	42	6 0	510	0		31	46	6 0	558	0		32	50	8 0	608	0	
30	40	0 0	480	0		31	43	11 0	527	0		32	48	0 0	576	0		33	52	3 0	627	0	
31	41	4 0	496	0		32	45	4 0	544	0		33	49	6 0	594	0		34	53	10 0	646	0	
32	42	8 0	512	0		33	46	9 0	561	0		34	51	0 0	612	0		35	55	5 0	665	0	
33	44	0 0	528	0		34	48	2 0	578	0		35	52	6 0	630	0		36	57	0 0	684	0	
34	45	4 0	544	0		35	49	7 0	595	0		36	54	0 0	648	0		37	58	7 0	703	0	
35	46	8 0	560	0		36	50	0 0	600	0		37	55	6 0	666	0		38	60	2 0	722	0	
36	48	0 0	576	0		37	52	5 0	629	0		38	57	0 0	684	0		39	61	9 0	741	0	
37	49	4 0	592	0		38	53	10 0	646	0		39	58	6 0	702	0		40	63	4 0	760	0	
38	50	8 0	608	0		39	55	3 0	663	0		40	60	0 0	720	0		41	64	11 0	779	0	
39	52	0 0	624	0		40	56	8 0	680	0		41	61	6 0	738	0		42	66	6 0	798	0	
40	53	4 0	640	0		41	58	1 0	697	0		42	63	0 0	756	0		43	68	1 0	817	0	
41	54	8 0	656	0		42	59	6 0	714	0		43	64	6 0	774	0		44	69	8 0	836	0	
42	56	0 0	672	0		43	60	11 0	731	0		44	66	0 0	792	0		45	71	3 0	855	0	
43	57	4 0	688	0		44	62	4 0	748	0		45	67	6 0	810	0		46	72	10 0	874	0	
44	58	8 0	704	0		45	63	9 0	765	0		46	69	0 0	828	0		47	74	5 0	893	0	
45	60	0 0	720	0		46	65	2 0	782	0		47	70	6 0	846	0		48	76	0 0	912	0	
46	61	4 0	736	0		47	66	7 0	799	0		48	72	0 0	864	0		49	77	7 0	931	0	
47	62	8 0	752	0		48	68	0 0	816	0		49	73	6 0	882	0		50	79	2 0	950	0	
48	64	0 0	768	0		49	69	5 0	833	0		50	75	0 0	900	0							
49	65	4 0	784	0		50	70	10 0	850	0													
50	66	8 0	800	0																			

13					14					15					16								
Cubic ft. in. pt.			Superfi. ft. in.		Cubic ft. in. pt.			Superfi. ft. in.		Cubic ft. in. pt.			Superfi. ft. in.		Cubic ft. in. pt.			Superfi. ft. in.					
13	15	3	1	183	1	14	17	8	4	212	4	15	20	3	9	243	9	16	23	1	4	277	4
14	16	5	2	197	2	15	18	11	6	227	6	16	21	8	0	260	0	17	24	6	8	294	8
15	17	7	3	211	3	16	20	2	8	242	8	17	23	0	3	276	3	18	26	0	0	312	0
16	18	9	4	225	4	17	21	5	10	257	10	18	24	4	6	292	6	19	27	5	4	329	4
17	19	11	5	239	5	18	22	9	0	273	0	19	25	8	9	308	9	20	28	10	8	346	8
18	21	1	6	253	6	19	24	0	2	288	2	20	27	1	0	325	0	21	30	4	0	364	0
19	22	3	7	267	7	20	25	3	4	303	4	21	28	5	3	341	3	22	31	9	4	381	4
20	23	5	8	281	8	21	26	6	6	318	6	22	29	9	6	357	6	23	33	2	8	398	8
21	24	7	9	295	9	22	27	9	8	333	8	23	31	1	9	373	9	24	34	8	0	416	0
22	25	9	10	309	10	23	29	0	10	348	10	24	32	6	0	390	0	25	36	1	4	433	4
23	26	11	11	323	11	24	30	4	0	364	0	25	33	10	3	406	3	26	37	6	8	450	8
24	28	2	0	338	0	25	31	7	2	379	2	26	35	2	6	422	6	27	39	0	0	468	0
25	29	4	1	352	1	26	32	10	4	394	4	27	36	6	9	438	9	28	40	5	4	485	4
26	30	6	2	366	2	27	34	1	6	409	6	28	37	11	0	455	0	29	41	10	8	502	8
27	31	8	3	380	3	28	35	4	8	424	8	29	39	3	3	471	3	30	43	4	0	520	0
28	32	10	4	394	4	29	36	7	10	439	10	30	40	7	6	487	6	31	44	9	4	537	4
29	34	0	5	408	5	30	37	11	0	455	0	31	41	11	9	503	9	32	46	2	8	554	8
30	35	2	6	422	6	31	39	2	2	470	2	32	43	4	0	520	0	33	47	8	0	572	0
31	36	4	7	436	7	32	40	5	4	485	4	33	44	8	3	536	3	34	49	1	4	589	4
32	37	6	8	450	8	33	41	8	6	500	6	34	46	0	6	552	6	35	50	6	8	606	8
33	38	8	9	464	9	34	42	11	8	515	8	35	47	4	9	568	9	36	52	0	0	624	0
34	39	10	10	478	10	35	44	2	10	530	10	36	48	9	0	585	0	37	53	5	4	641	4
35	41	0	11	492	11	36	45	6	0	546	0	37	50	1	3	601	3	38	54	10	8	658	8
36	42	3	0	507	0	37	46	9	2	561	2	38	51	5	6	617	6	39	56	4	0	676	0
37	43	5	1	521	1	38	48	0	4	576	4	39	52	9	9	633	9	40	57	9	4	693	4
38	44	7	2	535	2	39	49	3	6	591	6	40	54	2	0	650	0	41	59	2	8	710	8
39	45	9	3	549	3	40	50	6	8	606	8	41	55	6	3	666	3	42	60	8	0	728	0
40	46	11	4	563	4	41	51	9	10	621	10	42	56	10	6	682	6	43	62	1	4	745	4
41	48	1	5	577	5	42	53	1	0	637	0	43	58	2	9	698	9	44	63	6	8	762	8
42	49	3	6	591	6	43	54	4	2	652	2	44	59	7	0	715	0	45	65	0	0	780	0
43	50	5	7	605	7	44	55	7	4	667	4	45	60	11	3	731	3	46	66	5	4	797	4
44	51	7	8	619	8	45	56	10	6	682	6	46	62	3	6	747	6	47	67	10	8	814	8
45	52	9	9	633	9	46	58	1	8	697	8	47	63	7	9	763	9	48	69	4	0	832	0
46	53	11	10	647	10	47	59	4	10	712	10	48	65	0	0	780	0	49	70	9	4	849	4
47	55	1	11	661	11	48	60	8	0	728	0	49	66	4	3	796	3	50	72	2	8	866	8
48	56	4	0	676	0	49	61	11	2	743	2	50	67	8	6	812	6						
49	57	6	1	690	1	50	63	2	4	758	4												
50	58	8	2	704	2																		

17

	Cubic ft. in. pt.			Superf. ft. in.	
17	26	1	1	313	1
18	27	7	6	331	6
19	29	1	11	349	11
20	30	8	4	368	4
21	32	2	9	386	9
22	33	9	2	405	2
23	35	3	7	423	7
24	36	10	0	442	0
25	38	4	5	460	5
26	39	10	10	478	10
27	41	5	3	497	3
28	42	11	8	515	8
29	44	6	1	534	1
30	46	0	6	552	6
31	47	6	11	570	11
32	49	1	4	589	4
33	50	7	9	607	9
34	52	2	2	626	2
35	53	8	7	644	7
36	55	3	0	663	0
37	56	9	5	681	5
38	58	3	10	699	10
39	59	10	3	718	3
40	61	4	8	736	8
41	62	11	1	755	1
42	64	5	6	773	6
43	65	11	11	791	11
44	67	6	4	810	4
45	69	0	9	828	9
46	70	7	2	847	2
47	72	1	7	865	7
48	73	8	0	884	0
49	75	2	5	902	5
50	76	8	10	920	10

18

	Cubic ft. in. pt.			Superf. ft. in.	
18	29	3	0	351	0
19	30	10	6	370	6
20	32	6	0	390	0
21	34	1	6	409	6
22	35	9	0	429	0
23	37	4	6	448	6
24	39	0	0	468	0
25	40	7	6	487	6
26	42	3	0	507	0
27	43	10	6	526	6
28	45	6	0	546	0
29	47	1	6	565	6
30	48	9	0	585	0
31	50	4	6	604	6
32	52	0	0	624	0
33	53	7	6	643	6
34	55	3	0	663	0
35	56	10	6	682	6
36	58	6	0	702	0
37	60	1	6	721	6
38	61	9	0	741	0
39	63	4	6	760	6
40	65	0	0	780	0
41	66	7	6	799	6
42	68	3	0	819	0
43	69	10	6	838	6
44	71	6	0	858	0
45	73	1	6	877	6
46	74	9	0	897	0
47	76	4	6	916	6
48	78	0	0	936	0
49	79	7	6	955	6
50	81	3	0	975	0

19

	Cubic ft. in. pt.			Superf. ft. in.	
19	32	7	1	391	1
20	34	3	8	411	8
21	36	0	3	432	3
22	37	8	10	452	10
23	39	5	5	473	5
24	41	2	0	494	0
25	42	10	7	514	7
26	44	7	2	535	2
27	46	3	9	555	9
28	48	0	4	576	4
29	49	8	11	596	11
30	51	5	6	617	6
31	53	2	1	638	1
32	54	10	8	658	8
33	56	7	3	679	3
34	58	3	10	699	10
35	60	0	5	720	5
36	61	9	0	741	0
37	63	5	7	761	7
38	65	2	2	782	2
39	66	10	9	802	9
40	68	7	4	823	4
41	70	3	11	843	11
42	72	0	6	864	6
43	73	9	1	885	1
44	75	5	8	905	8
45	77	2	3	926	3
46	78	10	10	946	10
47	80	7	5	967	5
48	82	4	0	988	0
49	84	0	7	1008	7
50	85	9	2	1029	2

20

	Cubic ft. in. pt.			Superf. ft. in.	
20	36	1	4	433	4
21	37	11	0	455	0
22	39	8	8	476	8
23	41	6	4	498	4
24	43	4	0	519	0
25	45	1	8	540	8
26	46	11	4	562	4
27	48	9	0	585	0
28	50	6	8	606	8
29	52	4	4	628	4
30	54	2	0	650	0
31	55	11	8	671	8
32	57	9	4	693	4
33	59	7	0	715	0
34	61	4	8	736	8
35	63	2	4	758	4
36	65	0	0	780	0
37	66	9	8	801	8
38	68	7	4	823	4
39	70	5	0	845	0
40	72	2	8	866	8
41	74	0	4	888	4
42	75	10	0	910	0
43	77	7	8	931	8
44	79	5	4	953	4
45	81	3	0	975	0
46	83	0	8	996	8
47	84	10	4	1018	4
48	86	8	0	1040	0
49	88	5	8	1061	8
50	90	3	4	1083	4

14			15			16			17		
	Cubic ft. in. pt.	Superf. ft. in.		Cubic ft. in. pt.	Superf. ft. in.		Cubic ft. in. pt.	Superf. ft. in.		Cubic ft. in. pt.	Superf. ft. in.
14	19 0 8	228 8	15	21 10 6	262 6	16	24 10 8	298 8	17	28 1 2	337 2
15	20 5 0	245 0	16	23 4 0	280 0	17	26 5 4	317 4	18	29 9 0	357 0
16	21 9 4	261 4	17	24 9 6	297 6	18	28 0 0	336 0	19	31 4 10	376 10
17	23 2 8	277 8	18	26 3 0	315 0	19	29 6 8	354 8	20	33 0 8	396 8
18	24 6 0	294 0	19	27 8 6	332 6	20	31 1 4	373 4	21	34 8 6	416 6
19	25 10 4	310 4	20	29 2 0	350 0	21	32 8 0	392 0	22	36 4 4	436 4
20	27 2 8	326 8	21	30 7 6	367 6	22	34 2 8	410 8	23	38 0 2	456 2
21	28 7 0	343 0	22	32 1 0	385 0	23	35 9 4	429 4	24	39 8 0	476 0
22	29 11 4	359 4	23	33 6 6	402 6	24	37 4 0	448 0	25	41 3 10	495 10
23	31 3 8	375 8	24	35 0 0	420 0	25	38 10 8	466 8	26	42 11 8	515 8
24	32 8 0	392 0	25	36 5 6	437 6	26	40 5 4	485 4	27	44 7 6	535 6
25	34 0 4	408 4	26	37 11 0	455 0	27	42 0 0	504 0	28	46 3 4	555 4
26	35 4 8	424 8	27	39 5 6	470 6	28	43 6 8	522 8	29	47 11 2	575 2
27	36 9 0	441 0	28	40 10 0	498 0	29	45 1 4	541 4	30	49 7 0	595 0
28	38 1 4	457 4	29	42 3 6	507 6	30	46 8 0	560 0	31	51 2 10	614 10
29	39 5 8	473 8	30	43 9 0	525 0	31	48 2 8	578 8	32	52 10 8	634 8
30	40 10 0	490 0	31	45 2 6	542 6	32	49 9 4	597 4	33	54 6 6	654 6
31	42 2 4	506 4	32	46 8 0	560 0	33	51 4 0	616 0	34	56 2 4	674 4
32	43 6 8	522 8	33	48 1 6	577 6	34	52 10 8	634 8	35	58 10 2	694 2
33	44 11 0	539 0	34	49 7 0	595 0	35	54 5 4	653 4	36	60 6 0	714 0
34	46 3 4	555 4	35	51 0 6	612 6	36	56 0 0	672 0	37	61 1 10	733 10
35	47 7 8	571 8	36	52 6 0	629 0	37	57 6 8	690 8	38	62 9 8	753 8
36	49 0 0	588 0	37	53 11 6	647 6	38	59 1 4	709 4	39	64 5 6	773 6
37	50 4 4	604 4	38	55 5 0	665 0	39	60 8 0	728 0	40	66 1 4	793 4
38	51 8 8	620 8	39	56 10 6	682 6	40	62 2 8	746 8	41	67 9 2	813 2
39	53 1 0	637 0	40	58 4 0	700 0	41	63 9 4	765 4	42	69 5 0	833 0
40	54 5 4	653 4	41	59 9 6	717 6	42	65 4 0	784 0	43	71 0 10	852 10
41	55 9 8	669 8	42	61 3 0	735 0	43	66 10 8	802 8	44	72 8 8	872 8
42	57 2 0	686 0	43	62 8 6	752 6	44	68 5 4	821 4	45	74 4 6	892 6
43	58 6 4	702 4	44	64 2 0	770 0	45	70 0 0	840 0	46	76 0 4	912 4
44	59 10 8	718 8	45	65 7 6	787 6	46	71 6 8	858 8	47	77 8 2	932 2
45	61 3 0	735 0	46	67 1 0	805 0	47	73 1 4	877 4	48	79 4 0	952 0
46	62 7 4	751 4	47	68 6 6	822 6	48	74 8 0	896 0	49	80 11 10	971 10

18

	Cubic. ft. in. pt.	Superfi. ft. in.
18	31 6 0	378 0
19	33 3 0	399 0
20	35 0 0	420 0
21	36 9 0	441 0
22	38 6 0	462 0
23	40 3 0	483 0
24	42 0 0	504 0
25	43 9 0	525 0
26	45 6 0	546 0
27	47 3 0	567 0
28	49 0 0	588 0
29	50 9 0	609 0
30	52 6 0	630 0
31	54 3 0	651 0
32	56 0 0	672 0
33	57 9 0	693 0
34	59 6 0	714 0
35	61 3 0	735 0
36	63 0 0	756 0
37	64 9 0	777 0
38	66 6 0	798 0
39	68 3 0	819 0
40	70 0 0	840 0
41	71 9 0	861 0
42	73 6 0	882 0
43	75 3 0	903 0
44	77 0 0	924 0
45	78 9 0	945 0
46	80 6 0	966 0
47	82 3 0	987 0
48	84 0 0	1008 0
49	85 9 0	1029 0
50	87 6 0	1050 0

19

	Cubic ft. in. pt.	Superfi. ft. in.
19	35 1 2	421 2
20	36 11 4	443 4
21	38 9 6	465 6
22	40 7 8	487 8
23	42 5 10	509 10
24	44 4 0	532 0
25	46 2 2	554 2
26	48 0 4	576 4
27	49 10 6	598 6
28	51 8 8	620 8
29	53 6 10	642 10
30	55 5 0	665 0
31	57 3 2	687 2
32	59 1 4	709 4
33	60 11 6	731 6
34	62 9 8	753 8
35	64 7 10	775 10
36	66 6 0	798 0
37	68 4 2	820 2
38	70 2 4	842 4
39	72 0 6	864 6
40	73 10 8	886 8
41	75 8 10	908 10
42	77 7 0	931 0
43	79 5 2	953 2
44	81 3 4	975 4
45	83 1 6	997 6
46	84 11 8	1019 8
47	86 9 10	1041 10
48	88 8 0	1064 0
49	90 6 2	1086 2
50	92 4 4	1108 4

20

	Cubic ft. in. pt.	Superfi. ft. in.
20	38 10 8	466 8
21	40 10 0	490 0
22	42 9 4	513 4
23	44 8 8	536 8
24	46 8 0	560 0
25	48 7 4	583 4
26	50 6 8	606 8
27	52 6 0	630 0
28	54 5 4	653 4
29	56 4 8	676 8
30	58 4 0	700 0
31	60 3 4	723 4
32	62 2 8	746 8
33	64 2 0	770 0
34	66 1 4	793 4
35	68 0 8	816 8
36	70 0 0	840 0
37	71 11 4	863 4
38	73 10 8	886 8
39	75 10 0	910 0
40	77 9 4	933 4
41	79 8 8	956 8
42	81 8 0	980 0
43	83 7 4	1003 4
44	85 6 8	1026 8
45	87 6 0	1050 0
46	89 5 4	1073 4
47	91 4 8	1096 8
48	93 4 0	1120 0
49	95 3 4	1143 4
50	97 2 8	1166 8

21

	Cubic ft. in. pt.	Superfi. ft. in.
21	42 10 6	514 6
22	44 11 0	539 0
23	46 11 6	563 6
24	49 0 0	588 0
25	51 0 6	612 6
26	53 1 0	637 0
27	55 1 6	661 6
28	57 2 0	686 0
29	59 2 6	710 6
30	61 3 0	735 0
31	63 3 6	759 6
32	65 4 0	784 0
33	67 4 6	808 6
34	69 5 0	833 0
35	71 5 6	857 6
36	73 6 0	882 0
37	75 6 6	906 6
38	77 7 0	931 0
39	79 7 6	955 6
40	81 8 0	980 0
41	83 8 6	1004 6
42	85 9 0	1029 0
43	87 9 6	1053 6
44	89 10 0	1078 0
45	91 10 6	1102 6
46	93 11 0	1127 0
47	95 11 6	1151 6
48	98 0 0	1176 0
49	100 0 6	1200 6
50	102 1 0	1225 0

15			16			17			18		
	Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.
15	23. 5. 3	281. 3	16	26 8 0	320 0	17	30 1 3	361 3	18	33 9 0	405 0
16	25. 0. 0	300. 0	17	28 4 0	340 0	18	31 10 6	382 6	19	35 7 6	427 6
17	26. 6. 9	318. 9	18	30 0 0	360 0	19	33 7 9	403 9	20	37 6 0	450 0
18	28. 1. 6	337. 6	19	31 8 0	380 0	20	35 5 0	425 0	21	39 4 6	472 6
19	29. 8. 3	356. 3	20	33 4 0	400 0	21	37 2 3	446 3	22	41 3 0	495 0
20	31. 3. 0	375. 0	21	35 0 0	420 0	22	38 11 6	467 6	23	43 1 6	517 6
21	32. 9. 9	393. 9	22	36 8 0	440 0	23	40 8 9	488 9	24	45 0 0	540 0
22	34. 4. 6	412. 6	23	38 4 0	460 0	24	42 6 0	510 0	25	46 10 6	562 6
23	35. 11. 3	431. 3	24	40 0 0	480 0	25	44 3 3	531 3	26	48 9 0	585 0
24	37. 6. 0	450. 0	25	41 8 0	500 0	26	46 0 6	552 6	27	50 7 6	607 6
25	39. 0. 9	468. 9	26	43 4 0	520 0	27	47 9 9	573 9	28	52 6 0	630 0
26	40. 7. 6	487. 6	27	45 0 0	540 0	28	49 7 0	595 0	29	54 4 6	652 6
27	42. 2. 3	506. 3	28	46 8 0	560 0	29	51 4 3	616 3	30	56 3 0	675 0
28	43 9 0	525 0	29	48 4 0	580 0	30	53 1 6	637 6	31	58 1 6	697 6
29	45 3 9	543 9	30	50 0 0	600 0	31	54 10 9	658 9	32	60 0 0	720 0
30	46 10 6	562 6	31	51 8 0	620 0	32	56 8 0	680 0	33	61 10 6	742 6
31	48 5 3	581 3	32	53 4 0	640 0	33	58 5 3	701 3	34	63 9 0	765 0
32	50 0 0	600 0	33	55 0 0	660 0	34	60 2 6	722 6	35	65 7 6	787 6
33	51 6 9	618 9	34	56 8 0	680 0	35	61 11 9	743 9	36	67 6 0	810 0
34	53 1 6	637 6	35	58 4 0	700 0	36	63 9 0	765 0	37	69 4 6	832 6
35	54 8 3	656 3	36	60 0 0	720 0	37	65 6 3	786 3	38	71 3 0	855 0
36	56 3 0	675 0	37	61 8 0	740 0	38	67 3 6	807 6	39	73 1 6	877 6
37	57 9 9	693 9	38	63 4 0	760 0	39	69 0 9	828 9	40	75 0 0	900 0
38	59 4 6	712 6	39	65 0 0	780 0	40	70 10 0	850 0	41	76 10 6	922 6
39	60 11 3	731 3	40	66 8 0	800 0	41	72 7 3	871 3	42	78 9 0	945 0
40	62 6 0	750 0	41	68 4 0	820 0	42	74 4 6	892 6	43	80 7 6	967 6
41	64 0 9	768 9	42	70 0 0	840 0	43	76 1 9	913 9	44	82 6 0	990 0
42	65 7 6	787 6	43	71 8 0	860 0	44	77 11 0	935 0	45	84 4 6	1012 6
43	67 2 3	806 3	44	73 4 0	880 0	45	79 8 3	956 3	46	86 3 0	1035 0
44	68 9 0	825 0	45	75 0 0	900 0	46	81 5 6	977 6	47	88 1 6	1057 6
45	70 3 9	843 9	46	76 8 0	920 0	47	83 2 9	998 9	48	90 0 0	1080 0
46	71 10 6	862 6	47	78 4 0	940 0	48	85 0 0	1020 0	49	91 10 6	1102 6
47	73 5 3	881 3	48	80 0 0	960 0	49	86 9 3	1041 3	50	93 9 0	1125 0
48	75 0 0	900 0	49	81 8 0	980 0	50	88 6 6	1062 6			
49	76 6 9	918 9	50	83 4 0	1000 0						
50	78 1 6	937 6									

19

	Cubic ft. in. pt.			Superfi. ft. in.
19	37	7	3	451 3
20	39	7	0	475 0
21	41	6	9	498 9
22	43	6	6	522 6
23	45	6	3	546 3
24	47	6	0	570 0
25	49	5	9	593 9
26	51	5	6	617 6
27	53	5	3	641 3
28	55	5	0	665 0
29	57	4	9	688 9
30	59	4	6	712 6
31	61	4	3	736 3
32	63	4	0	760 0
33	65	3	9	783 9
34	67	3	6	807 6
35	69	3	3	831 3
36	71	3	0	855 0
37	73	2	9	878 9
38	75	2	6	902 6
39	77	2	3	926 3
40	79	2	0	940 0
41	81	1	9	973 9
42	83	1	6	997 6
43	85	1	3	1021 3
44	87	1	0	1045 0
45	89	0	9	1068 9
46	91	0	6	1092 6
47	93	0	3	1116 3
48	95	0	0	1140 0
49	96	11	9	1163 9
50	98	11	6	1187 6

20

	Cubic ft. in. pt.			Superfi. ft. in.
20	41	8	0	500 0
21	43	9	0	525 0
22	45	10	0	550 0
23	47	11	0	575 0
24	50	0	0	600 0
25	52	1	0	625 0
26	54	2	0	650 0
27	56	3	0	675 0
28	58	4	0	700 0
29	60	5	0	725 0
30	62	6	0	750 0
31	64	7	0	775 0
32	66	8	0	800 0
33	68	9	0	825 0
34	70	10	0	850 0
35	72	11	0	875 0
36	75	0	0	900 0
37	77	1	0	925 0
38	79	2	0	950 0
39	81	3	0	975 0
40	83	4	0	1000 0
41	85	5	0	1025 0
42	87	6	0	1050 0
43	89	7	0	1075 0
44	91	8	0	1100 0
45	93	9	0	1125 0
46	95	10	0	1150 0
47	97	11	0	1175 0
48	100	0	0	1200 0
49	102	1	0	1225 0
50	104	2	0	1250 0

21

	Cubic ft. in. pt.			Superfi. ft. in.
21	45	11	3	551 3
22	48	1	6	577 6
23	50	3	9	603 9
24	52	6	0	630 0
25	54	8	3	656 3
26	56	10	6	682 6
27	59	0	9	708 9
28	61	3	0	735 0
29	63	5	3	761 3
30	65	7	6	787 6
31	67	9	9	813 9
32	70	0	0	840 0
33	72	2	3	866 3
34	74	4	6	892 6
35	76	6	9	918 9
36	78	9	0	945 0
37	80	11	3	971 3
38	83	1	6	997 6
39	85	3	9	1023 9
40	87	6	0	1050 0
41	89	8	3	1076 3
42	91	10	6	1102 6
43	94	0	9	1128 9
44	96	3	0	1155 0
45	98	5	3	1181 3
46	100	7	6	1207 6
47	102	9	9	1233 9
48	105	0	0	1260 0
49	107	2	3	1286 3
50	109	4	6	1312 6

22

	Cubic ft. in. pt.			Superfi. ft. in.
22	50	5	0	605 0
23	52	8	6	632 6
24	55	0	0	660 0
25	57	3	6	687 6
26	59	7	0	715 0
27	61	10	6	742 6
28	64	2	0	770 0
29	66	5	6	797 6
30	68	9	0	825 0
31	71	0	6	852 6
32	73	4	0	880 0
33	75	7	6	907 6
34	77	11	0	935 0
35	80	2	6	962 6
36	82	6	0	990 0
37	84	9	6	1017 6
38	87	1	0	1045 0
39	89	4	6	1072 6
40	91	8	0	1100 0
41	93	11	6	1127 6
42	96	3	0	1155 0
43	98	6	6	1182 6
44	100	10	0	1210 0
45	103	1	6	1237 6
46	105	5	0	1265 0
47	107	8	6	1292 6
48	110	0	0	1320 0
49	112	3	6	1347 6
50	114	7	0	1375 0

16					17					18					19				
Cubic ft. in. pt.				Superfi. ft. i.	Cubic ft. in. pt.				Superfi. ft. in.	Cubic ft. in. pt.				Superfi. ft. in.	Cubic ft. in. pt.				Superfi. ft. in.
16	28	5	4	341 4	17	32	1	4	385 4	18	36	0	0	432 0	19	40	1	4	481 4
17	30	2	8	362 8	18	34	0	0	408 0	19	38	0	0	456 0	20	42	2	8	506 8
18	32	0	0	384 0	19	35	10	8	430 8	20	40	0	0	480 0	21	44	4	0	532 0
19	33	9	4	405 4	20	37	9	4	453 4	21	42	0	0	504 0	22	46	5	4	557 4
20	35	6	8	426 8	21	39	8	0	476 0	22	44	0	0	528 0	23	48	6	8	582 8
21	37	4	0	448 0	22	41	6	8	498 8	23	46	0	0	552 0	24	50	8	0	608 0
22	39	1	4	469 4	23	43	5	4	521 4	24	48	0	0	576 0	25	52	9	4	633 4
23	40	10	8	490 8	24	45	4	0	544 0	25	50	0	0	600 0	26	54	10	8	658 8
24	42	8	0	512 0	25	47	2	8	566 8	26	52	0	0	624 0	27	57	0	0	684 0
25	44	5	4	533 4	26	49	1	4	589 4	27	54	0	0	648 0	28	59	1	4	709 4
26	46	2	8	554 8	27	51	0	0	612 0	28	56	0	0	672 0	29	61	2	8	734 8
27	48	0	0	576 0	28	52	10	8	634 8	29	58	0	0	696 0	30	63	4	0	760 0
28	49	9	4	597 4	29	54	9	4	657 4	30	60	0	0	720 0	31	65	5	4	785 4
29	51	6	8	618 8	30	56	8	0	680 0	31	62	0	0	744 0	32	67	6	8	810 8
30	53	4	0	640 0	31	58	6	8	702 8	32	64	0	0	768 0	33	69	8	0	836 0
31	55	1	4	661 4	32	60	5	4	725 4	33	66	0	0	792 0	34	71	9	4	861 4
32	56	10	8	682 8	33	62	4	0	748 0	34	68	0	0	816 0	35	73	10	8	886 8
33	58	8	0	704 0	34	64	2	8	770 8	35	70	0	0	840 0	36	76	0	0	912 0
34	60	5	4	725 4	35	66	1	4	793 4	36	72	0	0	864 0	37	78	1	4	937 4
35	62	2	8	746 8	36	68	0	0	816 0	37	74	0	0	888 0	38	80	2	8	962 8
36	64	0	0	768 0	37	69	10	8	838 8	38	76	0	0	912 0	39	82	4	0	988 0
37	65	9	4	789 4	38	71	9	4	861 4	39	78	0	0	936 0	40	84	5	4	1013 4
38	67	6	8	810 8	39	73	8	0	884 0	40	80	0	0	960 0	41	86	6	8	1038 8
39	69	4	0	832 0	40	75	6	8	906 8	41	82	0	0	984 0	42	88	8	0	1064 0
40	71	1	4	853 4	41	77	5	4	929 4	42	84	0	0	1008 0	43	90	9	4	1089 4
41	72	10	8	874 8	42	79	4	0	952 0	43	86	0	0	1032 0	44	92	10	8	1114 8
42	74	8	0	896 0	43	81	2	8	974 8	44	88	0	0	1056 0	45	95	0	0	1140 0
43	76	5	4	917 4	44	83	1	4	997 4	45	90	0	0	1080 0	46	97	1	4	1165 4
44	78	2	8	938 8	45	85	0	0	1020 0	46	92	0	0	1104 0	47	99	2	8	1190 8
45	80	0	0	960 0	46	86	10	8	1042 8	47	94	0	0	1128 0	48	101	4	0	1216 0
46	81	9	4	981 4	47	88	9	4	1065 4	48	96	0	0	1152 0	49	103	5	4	1241 4
47	83	6	8	1002 8	48	90	8	0	1088 0	49	98	0	0	1176 0	50	105	6	8	1266 8
48	85	4	0	1024 0	49	92	6	8	1110 8	50	100	0	0	1200 0					
49	87	1	4	1045 4	50	94	5	4	1133 4										
50	88	10	8	1066 8															

20			21			22			23		
	Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.
20	44 5 4	533 4	21	49 0 0	588 0	22	53 9 4	645 4	23	58 9 4	705 4
21	46 8 0	560 0	22	51 4 0	616 0	23	56 2 8	674 8	24	61 4 0	736 0
22	48 10 8	586 8	23	53 8 0	644 0	24	58 8 0	704 0	25	63 10 8	766 8
23	51 1 4	613 4	24	56 0 0	672 0	25	61 1 4	733 4	26	66 5 4	797 4
24	53 4 0	640 0	25	58 4 0	700 0	26	63 6 8	762 8	27	69 0 0	828 0
25	55 6 8	666 8	26	60 8 0	728 0	27	66 0 0	792 0	28	71 6 8	858 8
26	57 9 4	693 4	27	63 0 0	756 0	28	68 5 4	821 4	29	74 1 4	889 4
27	60 0 0	720 0	28	65 4 0	784 0	29	70 10 8	850 8	30	76 8 0	920 0
28	62 2 8	746 8	29	67 8 0	812 0	30	73 4 0	880 0	31	79 2 8	950 8
29	64 5 4	773 4	30	70 0 0	840 0	31	75 9 4	909 4	32	81 9 4	981 4
30	66 8 0	800 0	31	72 4 0	868 0	32	78 2 8	938 8	33	84 4 0	1012 0
31	68 10 8	826 8	32	74 8 0	896 0	33	80 8 0	968 0	34	86 10 8	1042 8
32	71 1 4	853 4	33	77 0 0	924 0	34	83 1 4	997 4	35	89 5 4	1073 4
33	73 4 0	880 0	34	79 4 0	952 0	35	85 6 8	1026 8	36	92 0 0	1104 0
34	75 6 8	906 8	35	81 8 0	980 0	36	88 0 0	1056 0	37	94 6 8	1134 8
35	77 9 4	933 4	36	84 0 0	1008 0	37	90 5 4	1085 4	38	97 1 4	1165 4
36	80 0 0	960 0	37	86 4 0	1036 0	38	92 10 8	1114 8	39	99 8 0	1196 0
37	82 2 8	986 8	38	88 8 0	1064 0	39	95 4 0	1144 0	40	102 2 8	1226 8
38	84 5 4	1013 4	39	91 0 0	1092 0	40	97 9 4	1173 4	41	104 9 4	1257 4
39	86 8 0	1040 0	40	93 4 0	1120 0	41	100 2 8	1202 8	42	107 4 0	1288 0
40	88 10 8	1066 8	41	95 8 0	1148 0	42	102 8 0	1232 0	43	109 10 8	1318 8
41	91 1 4	1093 4	42	98 0 0	1176 0	43	105 1 4	1261 4	44	112 5 4	1349 4
42	93 4 0	1120 0	43	100 4 0	1204 0	44	107 6 8	1290 8	45	115 0 0	1380 0
43	95 6 8	1146 8	44	102 8 0	1232 0	45	110 0 0	1320 0	46	117 6 8	1410 8
44	97 9 4	1173 4	45	105 0 0	1260 0	46	112 5 4	1349 4	47	120 1 4	1441 4
45	100 0 0	1200 0	46	107 4 0	1288 0	47	114 10 8	1378 8	48	122 8 0	1472 0
46	102 2 8	1226 8	47	109 8 0	1316 0	48	117 4 0	1408 0	49	125 2 8	1502 8
47	104 5 4	1253 4	48	112 0 0	1344 0	49	119 9 4	1437 4	50	127 9 4	1533 4
48	106 8 0	1280 0	49	114 4 0	1372 0	50	122 2 8	1466 8			
49	108 10 8	1306 8	50	116 8 0	1400 0						
50	111 1 4	1333 4									

17				18				19				20			
Cubic ft. in. pt.			Superf. ft. in.	Cubic ft. in. pt.			Superf. ft. in.	Cubic ft. in. pt.			Superf. ft. in.	Cubic ft. in. pt.			Superf. ft. in.
17	341	5	409 5	18	38	3 0	459 0	19	42	7 5	511 5	20	47	2 8	566 8
18	361	6	433 6	19	40	4 6	484 6	20	44	10 4	538 4	21	49	7 0	595 0
19	381	7	457 7	20	42	6 0	510 0	21	47	1 3	565 3	22	51	11 4	623 4
20	401	8	481 8	21	44	7 6	535 6	22	49	4 2	592 2	23	54	3 8	651 8
21	421	9	505 9	22	46	9 0	561 0	23	51	7 1	619 1	24	56	8 0	680 0
22	441	10	529 10	23	48	10 6	586 6	24	53	10 0	646 0	25	59	0 4	708 4
23	461	11	553 11	24	51	0 0	612 0	25	56	0 11	672 11	26	61	4 8	736 8
24	482	0	578 0	25	53	1 6	637 6	26	58	3 10	699 10	27	63	9 0	765 0
25	502	1	602 1	26	55	3 0	663 0	27	60	6 9	726 9	28	66	1 4	793 4
26	522	2	626 2	27	57	4 6	688 6	28	62	9 8	753 8	29	68	5 8	821 8
27	542	3	650 3	28	59	6 0	714 0	29	65	0 7	780 7	30	70	10 0	850 0
28	562	4	674 4	29	61	7 6	739 6	30	67	3 6	807 6	31	73	2 4	878 4
29	582	5	698 5	30	63	9 0	765 0	31	69	6 5	834 5	32	75	6 8	906 8
30	602	6	722 6	31	65	10 6	790 6	32	71	9 4	861 4	33	77	11 0	935 0
31	622	7	746 7	32	68	0 0	816 0	33	74	0 3	888 3	34	80	3 4	963 4
32	642	8	770 8	33	70	1 6	841 6	34	76	3 2	915 2	35	82	7 8	991 8
33	662	9	794 9	34	72	3 0	867 0	35	78	6 1	942 1	36	85	0 0	1020 0
34	682	10	818 10	35	74	4 6	892 6	36	80	9 0	969 0	37	87	4 4	1048 4
35	702	11	842 11	36	76	6 0	918 0	37	83	11 11	1007 11	38	89	8 8	1076 8
36	723	0	867 0	37	78	7 6	943 6	38	85	2 10	1022 10	39	92	1 0	1105 0
37	743	1	891 1	38	80	9 0	969 0	39	87	5 9	1049 9	40	94	5 4	1133 4
38	763	2	915 2	39	82	10 6	994 6	40	89	8 8	1076 8	41	96	9 8	1161 8
39	783	3	939 3	40	85	0 0	1020 0	41	91	11 7	1103 7	42	99	2 0	1190 0
40	803	4	963 4	41	87	1 6	1045 6	42	94	2 6	1130 6	43	101	6 4	1218 4
41	823	5	987 5	42	89	3 0	1071 0	43	96	5 5	1157 5	44	103	10 8	1246 8
42	843	6	1011 6	43	91	4 6	1096 6	44	98	8 4	1184 4	45	106	3 0	1275 0
43	863	7	1035 7	44	93	6 0	1122 0	45	100	11 3	1211 3	46	108	7 4	1303 4
44	883	8	1059 8	45	95	7 6	1147 6	46	103	2 2	1238 2	47	110	11 8	1331 8
45	903	9	1083 9	46	97	9 0	1173 0	47	105	5 1	1265 1	48	113	4 0	1360 0
46	923	10	1107 10	47	99	10 6	1198 6	48	107	8 0	1292 0	49	115	8 4	1388 4
47	943	11	1131 11	48	102	0 0	1224 0	49	109	10 11	1318 11	50	118	0 8	1416 8
48	964	0	1156 0	49	104	1 6	1249 6	50	112	1 10	1345 10				
49	984	1	1180 1	50	106	3 0	1275 0								
50	1004	2	1204 2												

21				22				23				24			
Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.
21	52	09	624 9	22	57.1	8	685 8	23	62	5 5	749 5	24	68	0 0	816 0
22	54	66	654 6	23	59.8	10	716 10	24	65	2 0	782 0	25	70	10 0	850 0
23	57	03	684 3	24	62.4	0	748 0	25	67	10 7	814 7	26	73	8 0	884 0
24	59	60	714 0	25	64.1	2	779 2	26	70	8 2	848 2	27	76	6 0	918 0
25	61	119	743 9	26	67.6	4	810 4	27	73	3 9	879 9	28	79	4 0	952 0
26	64	56	773 6	27	70.1	6	841 6	28	76	0 4	912 4	29	82	2 0	986 0
27	66	113	803 3	28	72.8	8	872 8	29	78	8 11	944 11	30	85	0 0	1020 0
28	69	50	833 0	29	75.3	10	903 10	30	81	5 6	977 6	31	87	10 0	1054 0
29	71	109	862 9	30	77.1	0	935 0	31	84	2 1	1010 1	32	90	8 0	1088 0
30	74	46	892 6	31	80	6 2	966 2	32	86	10 8	1042 8	33	93	6 0	1122 0
31	76	103	922 3	32	83	1 4	997 4	33	89	7 3	1075 3	34	96	4 0	1156 0
32	79	40	952 0	33	85	8 6	1028 6	34	92	3 10	1107 10	35	99	2 0	1190 0
33	81	99	981 9	34	88	3 8	1059 8	35	95	0 5	1140 5	36	102	0 0	1224 0
34	84	36	1011 6	35	90	10 10	1090 10	36	97	9 0	1173 0	37	104	10 0	1258 0
35	86	93	1041 3	36	93	6 0	1122 0	37	100	5 7	1205 7	38	107	8 0	1292 0
36	89	30	1071 0	37	96	1 2	1153 2	38	103	2 2	1238 2	39	110	6 0	1326 0
37	91	89	1100 9	38	98	8 4	1184 4	39	105	10 9	1270 9	40	113	4 0	1360 0
38	94	26	1130 6	39	101	3 6	1215 6	40	108	7 4	1303 4	41	116	2 0	1394 0
39	96	83	1160 3	40	103	10 8	1246 8	41	111	3 11	1335 11	42	119	0 0	1428 0
40	99	20	1190 0	41	106	5 10	1277 10	42	114	0 6	1368 6	43	121	10 0	1462 0
41	101	79	1219 9	42	109	1 0	1309 0	43	116	9 1	1401 1	44	124	8 0	1496 0
42	104	16	1249 6	43	111	8 2	1340 2	44	119	5 8	1433 8	45	127	6 0	1530 0
43	106	73	1279 3	44	114	3 4	1371 4	45	122	2 3	1466 3	46	130	4 0	1564 0
44	109	10	1309 0	45	116	10 6	1402 6	46	124	10 10	1498 10	47	133	2 0	1598 0
45	111	69	1338 9	46	119	5 8	1433 8	47	127	7 5	1531 5	48	136	0 0	1632 0
46	114	06	1368 6	47	122	0 10	1464 10	48	130	4 0	1564 0	49	138	10 0	1666 0
47	116	63	1398 3	48	124	8 0	1496 0	49	133	0 7	1596 7	50	141	8 0	1700 0
48	119	00	1428 0	49	127	3 2	1527 2	50	135	9 2	1629 2				
49	121	59	1457 9	50	129	10 4	1558 4								
50	123	11 6	1487 6												

[illegible]

22			23			24			25		
	Cubic. ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.
22	60 6 0	726 0	23	66 1 6	793 6	24	72 0 0	864 0	25	78 1 6	937 6
23	63 3 0	759 0	24	69 0 0	828 0	25	75 0 0	900 0	26	81 3 0	975 0
24	66 0 0	792 0	25	71 10 6	862 6	26	78 0 0	936 0	27	84 4 6	1012 6
25	68 9 0	825 0	26	74 9 0	897 0	27	81 0 0	972 0	28	87 6 0	1050 0
26	71 6 0	858 0	27	77 7 6	931 6	28	84 0 0	1008 0	29	90 7 6	1087 6
27	74 3 0	891 0	28	80 6 0	966 0	29	87 0 0	1044 0	30	93 9 0	1125 0
28	77 0 0	924 0	29	83 4 6	1000 6	30	90 0 0	1080 0	31	96 10 6	1162 6
29	79 9 0	957 0	30	86 3 0	1035 0	31	93 0 0	1116 0	32	100 0 0	1200 0
30	82 6 0	990 0	31	89 1 6	1069 6	32	96 0 0	1152 0	33	103 1 6	1237 6
31	85 3 0	1023 0	32	92 0 0	1104 0	33	99 0 0	1188 0	34	106 3 0	1275 0
32	88 0 0	1056 0	33	94 10 6	1138 6	34	102 0 0	1224 0	35	109 4 6	1312 6
33	90 9 0	1089 0	34	97 9 0	1173 0	35	105 0 0	1260 0	36	112 6 0	1350 0
34	93 6 0	1122 0	35	100 7 6	1207 6	36	108 0 0	1296 0	37	115 7 6	1387 6
35	96 3 0	1155 0	36	103 6 0	1242 0	37	111 0 0	1332 0	38	118 9 0	1425 0
36	99 0 0	1188 0	37	106 4 6	1276 6	38	114 0 0	1368 0	39	121 10 6	1462 6
37	101 9 0	1221 0	38	109 3 0	1311 0	39	117 0 0	1404 0	40	125 0 0	1500 0
38	104 6 0	1254 0	39	112 1 6	1345 6	40	120 0 0	1440 0	41	128 1 6	1537 6
39	107 3 0	1287 0	40	115 0 0	1380 0	41	123 0 0	1476 0	42	131 3 0	1575 0
40	110 0 0	1320 0	41	117 10 6	1414 6	42	126 0 0	1512 0	43	134 4 6	1612 6
41	112 9 0	1353 0	42	120 9 0	1449 0	43	129 0 0	1548 0	44	137 6 0	1650 0
42	115 6 0	1386 0	43	123 7 6	1483 6	44	132 0 0	1584 0	45	140 7 6	1687 6
43	118 3 0	1419 0	44	126 6 0	1518 0	45	135 0 0	1620 0	46	143 9 0	1725 0
44	121 0 0	1452 0	45	129 4 6	1552 6	46	138 0 0	1656 0	47	146 10 6	1762 6
45	123 9 0	1485 0	46	132 3 0	1587 0	47	141 0 0	1692 0	48	150 0 0	1800 0
46	126 6 0	1518 0	47	135 1 6	1621 6	48	144 0 0	1728 0	49	153 1 6	1837 6
47	129 3 0	1551 0	48	138 0 0	1656 0	49	147 0 0	1764 0	50	156 3 0	1875 0
48	132 0 0	1584 0	49	140 10 6	1690 6	50	150 0 0	1800 0			
49	134 9 0	1617 0	50	143 9 0	1725 0						
50	137 6 0	1650 0									

19				20				21				22			
	Cubic ft. in. pt.				Superfi. ft. in.				Cubic ft. in. pt.				Superfi. ft. in.		
19	47	7	7	571	7			21	58	2	3	698	3		
20	50	1	8	601	8	20	52	9	4	633	4	22	63	10	4
21	52	7	9	631	9	21	55	5	0	665	0	23	66	9	2
22	55	1	10	661	10	22	58	0	8	696	8	24	69	8	0
23	57	7	11	691	11	23	60	8	4	728	4	25	72	6	10
24	60	2	0	722	0	24	63	4	0	760	0	26	75	5	8
25	62	8	1	752	1	25	65	11	8	791	8	27	78	4	6
26	65	2	2	782	2	26	68	7	4	823	4	28	81	3	4
27	67	8	3	812	3	27	71	3	0	855	0	29	84	2	2
28	70	2	4	842	4	28	73	10	8	886	8	30	87	1	0
29	72	8	5	872	5	29	76	6	4	918	4	31	89	11	10
30	75	2	6	902	6	30	79	2	0	950	0	32	92	10	8
31	77	8	7	932	7	31	81	9	8	981	8	33	95	9	6
32	80	2	8	962	8	32	84	5	4	1013	4	34	98	8	4
33	82	8	9	992	9	33	87	1	0	1045	0	35	101	7	2
34	85	2	10	1022	10	34	89	8	8	1076	8	36	104	6	0
35	87	8	11	1052	11	35	92	4	4	1108	4	37	107	4	10
36	90	3	0	1083	0	36	95	0	0	1140	0	38	110	3	8
37	92	9	1	1113	1	37	97	7	8	1171	8	39	113	2	6
38	95	3	2	1143	2	38	100	3	4	1203	4	40	116	1	4
39	97	9	3	1173	3	39	102	11	0	1235	0	41	119	0	2
40	100	3	4	1203	4	40	105	6	8	1266	8	42	121	11	0
41	102	9	5	1233	5	41	108	2	4	1298	4	43	124	9	10
42	105	3	6	1263	6	42	110	10	0	1330	0	44	127	8	8
43	107	9	7	1293	7	43	113	5	8	1361	8	45	130	7	6
44	110	3	8	1323	8	44	116	1	4	1393	4	46	133	6	4
45	112	9	9	1353	9	45	118	9	0	1425	0	47	136	5	2
46	115	3	10	1383	10	46	121	4	8	1456	8	48	139	4	0
47	117	9	11	1413	11	47	124	0	4	1488	4	49	142	2	10
48	120	4	0	1444	0	48	126	8	0	1520	0	50	145	1	8
49	122	10	1	1474	1	49	129	3	8	1551	8				
50	125	4	2	1504	2	50	131	11	4	1583	4				

23					24					25					26				
Cubic ft. in. pt.				Superfi. ft. in.	Cubic ft. in. pt.				Superfi. ft. in.	Cubic ft. in. pt.				Superfi. ft. in.	Cubic ft. in. pt.				Superfi. ft. in.
23	69	9	7	837 7	24	76	00	912 0	25	82	5	7	989 7	26	89	2	4	1070 4	
24	72	10	0	874 0	25	79	20	950 0	26	85	9	2	1029 2	27	92	7	6	1111 6	
25	75	10	5	910 5	26	82	40	988 0	27	89	0	9	1068 9	28	96	0	8	1152 8	
26	78	10	10	946 10	27	85	60	1026 0	28	92	4	4	1108 4	29	99	5	10	1193 10	
27	81	11	3	983 3	28	88	80	1064 0	29	95	7	11	1147 11	30	102	11	0	1235 0	
28	84	11	8	1019 8	29	91	100	1102 0	30	98	11	6	1187 6	31	106	4	2	1276 2	
29	88	0	1	1056 1	30	95	00	1140 0	31	102	3	1	1227 1	32	109	9	4	1317 4	
30	91	0	6	1092 6	31	98	20	1178 0	32	105	6	8	1266 8	33	113	2	6	1358 6	
31	94	0	11	1128 11	32	101	40	1216 0	33	108	10	3	1306 3	34	116	7	8	1399 8	
32	97	1	4	1165 4	33	104	60	1254 0	34	112	1	10	1345 10	35	120	0	10	1440 10	
33	100	1	9	1201 9	34	107	80	1292 0	35	115	5	5	1385 5	36	123	6	0	1482 0	
34	103	2	2	1238 2	35	110	100	1330 0	36	118	9	0	1425 0	37	126	11	2	1523 2	
35	106	2	7	1274 7	36	114	00	1368 0	37	122	0	7	1464 7	38	130	4	4	1564 4	
36	109	3	0	1311 0	37	117	20	1406 0	38	125	4	2	1504 2	39	133	9	6	1605 6	
37	112	3	5	1347 5	38	120	40	1444 0	39	128	7	9	1543 9	40	137	2	8	1646 8	
38	115	3	10	1383 10	39	123	60	1482 0	40	131	11	4	1583 4	41	140	7	10	1687 10	
39	118	4	3	1420 3	40	126	80	1520 0	41	135	2	11	1622 11	42	144	1	0	1729 0	
40	121	4	8	1456 8	41	129	100	1558 0	42	138	6	6	1662 6	43	147	6	2	1770 2	
41	124	5	1	1493 1	42	133	00	1596 0	43	141	10	1	1702 1	44	150	11	4	1811 4	
42	127	5	6	1529 6	43	136	20	1634 0	44	145	1	8	1741 8	45	154	4	6	1852 6	
43	130	5	11	1565 11	44	139	40	1672 0	45	148	5	3	1781 3	46	157	9	8	1893 8	
44	133	6	4	1602 4	45	142	60	1710 0	46	151	8	10	1820 10	47	161	2	10	1934 10	
45	136	6	9	1638 9	46	145	80	1748 0	47	155	0	5	1860 5	48	165	8	0	1988 0	
46	139	7	2	1675 2	47	148	100	1786 0	48	158	4	0	1900 0	49	169	1	2	2089 2	
47	142	7	7	1711 7	48	152	00	1824 0	49	161	7	7	1939 7	50	171	6	4	2058 4	
48	145	8	0	1748 0	49	155	20	1862 0	50	164	11	2	1979 2						
49	148	8	5	1784 5	50	158	40	1900 0											
50	151	8	10	1820 10															

20				21				22				23			
Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.
20	55	6 8	666 8	21	61	3 0	735 0	22	67	2 8	806 8	23	73	5 8	881 8
21	59	4 0	712 0	22	64	2 0	770 0	23	70	3 4	843 4	24	76	8 0	920 0
22	63	1 4	757 4	23	67	1 0	805 0	24	73	4 0	880 0	25	79	10 4	958 4
23	65	10 8	790 8	24	70	0 0	840 0	25	76	4 8	916 8	26	83	0 8	996 8
24	68	8 0	824 0	25	72	11 0	875 0	26	79	5 4	953 4	27	86	3 0	1035 0
25	71	5 4	857 4	26	75	10 0	910 0	27	82	6 0	990 0	28	89	5 4	1073 4
26	74	2 8	890 8	27	78	9 0	945 0	28	85	6 8	1026 8	29	92	7 8	1111 8
27	77	0 0	924 0	28	81	8 0	980 0	29	88	7 4	1063 4	30	95	10 0	1150 0
28	79	9 4	957 4	29	84	7 0	1015 0	30	91	8 0	1100 0	31	99	0 4	1188 4
29	82	6 8	990 8	30	87	6 0	1050 0	31	94	8 8	1136 8	32	102	2 8	1226 8
30	85	4 0	1024 0	31	90	5 0	1085 0	32	97	9 4	1173 4	33	105	5 0	1265 0
31	86	1 4	1033 4	32	93	4 0	1120 0	33	100	10 0	1210 0	34	108	7 4	1303 4
32	88	10 8	1066 8	33	96	3 0	1155 0	34	103	10 8	1246 8	35	111	9 8	1341 8
33	91	8 0	1100 0	34	99	2 0	1190 0	35	106	11 4	1283 4	36	115	0 0	1380 0
34	94	5 4	1133 4	35	102	1 0	1225 0	36	110	0 0	1320 0	37	118	2 4	1418 4
35	97	2 8	1166 8	36	105	0 0	1260 0	37	113	0 8	1356 8	38	121	4 8	1456 8
36	100	0 0	1200 0	37	107	11 0	1295 0	38	116	1 4	1393 4	39	124	7 0	1495 0
37	102	9 4	1233 4	38	110	10 0	1330 0	39	119	2 0	1430 0	40	127	9 4	1533 4
38	105	6 8	1266 8	39	113	9 0	1365 0	40	122	2 8	1466 8	41	130	11 8	1571 8
39	108	4 0	1300 0	40	116	8 0	1400 0	41	125	3 4	1503 4	42	134	2 0	1610 0
40	111	1 4	1333 4	41	119	7 0	1435 0	42	128	4 0	1540 0	43	137	4 4	1648 4
41	113	10 8	1366 8	42	122	6 0	1470 0	43	131	4 8	1576 8	44	140	6 8	1686 8
42	116	8 0	1400 0	43	125	5 0	1505 0	44	134	5 4	1613 4	45	143	9 0	1725 0
43	119	5 4	1433 4	44	128	4 0	1540 0	45	137	6 0	1650 0	46	146	11 4	1763 4
44	122	2 8	1466 8	45	131	3 0	1575 0	46	140	6 8	1686 8	47	150	1 8	1801 8
45	125	0 0	1500 0	46	134	2 0	1610 0	47	143	7 4	1723 4	48	153	4 0	1840 0
46	127	9 4	1533 4	47	137	1 0	1645 0	48	146	8 0	1760 0	49	156	6 4	1878 4
47	130	6 8	1566 8	48	140	0 0	1680 0	49	149	8 8	1796 8	50	159	8 8	1916 8
48	133	4 0	1600 0	49	142	11 0	1715 0	50	152	9 4	1833 4				
49	136	1 4	1633 4	50	145	10 0	1750 0								
50	138	10 8	1666 8												

24			25			26			27		
	Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.
24	80 0 0	960 0	25	86 9 8	1041 8	26	93 10 8	1126 8	27	101 3 0	1215 0
25	83 4 0	1000 0	26	90 3 4	1083 4	27	97 6 0	1170 0	28	106 0 0	1272 0
26	86 8 0	1040 0	27	93 9 0	1125 0	28	101 1 4	1213 4	29	109 9 0	1317 0
27	90 0 0	1080 0	28	97 2 8	1166 8	29	104 8 8	1256 8	30	113 6 0	1362 0
28	93 4 0	1120 0	29	100 8 4	1208 4	30	108 4 0	1300 0	31	117 3 0	1407 0
29	96 8 0	1160 0	30	104 2 0	1250 0	31	111 11 4	1343 4	32	121 0 0	1452 0
30	100 0 0	1200 0	31	107 7 8	1291 8	32	115 6 8	1386 8	33	124 9 0	1497 0
31	103 4 0	1240 0	32	111 1 4	1333 4	33	119 2 0	1430 0	34	128 6 0	1542 0
32	106 8 0	1280 0	33	114 7 0	1375 0	34	122 9 4	1473 4	35	132 3 0	1587 0
33	110 0 0	1320 0	34	118 0 8	1416 8	35	126 4 8	1516 8	36	136 0 0	1632 0
34	113 4 0	1360 0	35	121 6 4	1458 4	36	130 0 0	1560 0	37	139 9 0	1677 0
35	116 8 0	1400 0	36	125 0 0	1500 0	37	133 7 4	1603 4	38	143 6 0	1722 0
36	120 0 0	1440 0	37	128 5 8	1541 8	38	137 2 8	1646 8	39	147 3 0	1767 0
37	123 4 0	1480 0	38	131 11 4	1583 4	39	140 10 0	1690 0	40	150 0 0	1800 0
38	126 8 0	1520 0	39	135 5 0	1625 0	40	144 5 4	1733 4	41	153 9 0	1845 0
39	130 0 0	1560 0	40	138 10 8	1666 8	41	148 0 8	1776 8	42	157 6 0	1890 0
40	133 4 0	1600 0	41	142 4 4	1708 4	42	151 8 0	1820 0	43	161 3 0	1935 0
41	136 8 0	1640 0	42	145 10 0	1750 0	43	155 3 4	1863 4	44	165 0 0	1980 0
42	140 0 0	1680 0	43	149 3 8	1791 8	44	158 10 8	1906 8	45	168 9 0	2025 0
43	143 4 0	1720 0	44	152 9 4	1833 4	45	162 6 0	1950 0	46	172 6 0	2070 0
44	146 8 0	1760 0	45	156 3 0	1875 0	46	166 1 4	1993 4	47	176 3 0	2115 0
45	150 0 0	1800 0	46	159 8 8	1916 8	47	169 8 8	2036 8	48	180 0 0	2160 0
46	153 4 0	1840 0	47	163 2 4	1958 4	48	173 4 0	2080 0	49	183 9 0	2205 0
47	156 8 0	1880 0	48	166 8 0	2000 0	49	176 11 4	2123 4	50	187 6 0	2250 0
48	160 0 0	1920 0	49	170 1 8	2041 8	50	180 6 8	2166 8			
49	163 4 0	1960 0	50	173 7 4	2083 4						
50	166 8 0	2000 0									

21				22				23				24			
Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.
21	64	3 9	771 9	22	70	7 0	847 0	23	77	1 9	925 9	24	84	0 0	1008 0
22	67	4 6	808 6	23	73	9 6	885 6	24	80	6 0	966 0	25	87	6 0	1050 0
23	70	5 3	845 3	24	77	0 0	924 0	25	83	10 3	1006 3	26	91	0 0	1092 0
24	73	6 0	882 0	25	80	2 6	962 6	26	87	2 6	1046 6	27	94	6 0	1134 0
25	76	6 9	918 9	26	83	5 0	1001 0	27	90	6 9	1086 9	28	98	0 0	1176 0
26	79	7 6	955 6	27	86	7 6	1039 6	28	93	11 0	1127 0	29	101	6 0	1218 0
27	82	8 3	992 3	28	89	10 0	1078 0	29	97	3 3	1167 3	30	105	0 0	1260 0
28	85	9 0	1029 0	29	93	0 6	1116 6	30	100	7 6	1207 6	31	108	6 0	1302 0
29	88	9 9	1065 9	30	96	3 0	1155 0	31	103	11 9	1247 9	32	112	0 0	1344 0
30	91	10 6	1102 6	31	99	5 6	1193 6	32	107	4 0	1288 0	33	115	6 0	1386 0
31	94	11 3	1139 3	32	102	8 0	1232 0	33	110	8 3	1328 3	34	119	0 0	1428 0
32	98	0 0	1176 0	33	105	10 6	1270 6	34	114	0 6	1368 6	35	122	6 0	1470 0
33	101	0 9	1212 9	34	109	1 0	1309 0	35	117	4 9	1408 9	36	126	0 0	1512 0
34	104	1 6	1249 6	35	112	3 6	1347 6	36	120	9 0	1449 0	37	129	6 0	1554 0
35	107	2 3	1286 3	36	115	6 0	1386 0	37	124	1 3	1489 3	38	133	0 0	1596 0
36	110	3 0	1323 0	37	118	8 6	1424 6	38	127	5 6	1529 6	39	136	6 0	1638 0
37	113	3 9	1359 9	38	121	11 0	1463 0	39	130	9 9	1569 9	40	140	0 0	1680 0
38	116	4 6	1396 6	39	125	1 6	1501 6	40	134	2 0	1610 0	41	143	6 0	1722 0
39	119	5 3	1433 3	40	128	4 0	1540 0	41	137	6 3	1650 3	42	147	0 0	1764 0
40	122	6 0	1470 0	41	131	6 6	1578 6	42	140	10 6	1690 6	43	150	6 0	1806 0
41	125	6 9	1506 9	42	134	9 0	1617 0	43	144	2 9	1730 9	44	154	0 0	1848 0
42	128	7 6	1543 6	43	137	11 6	1655 6	44	147	7 0	1771 0	45	157	6 0	1890 0
43	131	8 3	1580 3	44	141	2 0	1694 0	45	150	11 3	1811 3	46	161	0 0	1932 0
44	134	9 0	1617 0	45	144	5 6	1733 6	46	154	3 6	1851 6	47	164	6 0	1974 0
45	137	9 9	1653 9	46	147	8 0	1772 0	47	157	7 9	1891 9	48	168	0 0	2016 0
46	140	10 6	1690 6	47	150	9 6	1809 6	48	161	0 0	1932 0	49	171	6 0	2058 0
47	143	11 3	1727 3	48	154	0 0	1848 0	49	164	4 3	1972 3	50	175	0 0	2100 0
48	147	0 0	1764 0	49	157	2 6	1886 6	50	167	8 6	2012 6				
49	150	0 9	1800 9	50	160	5 0	1925 0								
50	153	1 6	1837 6												

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28

Cubic ft. in.pt.				Superfi. ft. in.		Cubic ft. in. pt.				Superfi. ft. in.		Cubic ft. in.pt.				Superfi. ft. in.		Cubic ft. in. pt.				Superfi. ft. in.		
25	91	1	9	1093	9	26	98	7	0	1183	0	27	106	3	9	127	5	9	28	114	4	0	1372	0
26	94	9	6	1137	6	27	102	4	6	1228	6	28	110	3	0	1323	0	29	118	5	0	1421	0	
27	98	5	3	1181	3	28	106	2	0	1274	0	29	114	2	3	1370	3	30	122	6	0	1470	0	
28	102	1	0	1225	0	29	109	11	6	1319	6	30	118	1	6	1417	6	31	126	7	0	1519	0	
29	105	8	9	1268	9	30	113	9	0	1365	0	31	122	0	9	1464	9	32	130	8	0	1568	0	
30	109	4	6	1312	6	31	117	6	6	1410	6	32	126	0	0	1512	0	33	134	9	0	1617	0	
31	113	0	3	1356	3	32	121	4	0	1456	0	33	129	11	3	1559	3	34	138	10	0	1666	0	
32	116	8	0	1400	0	33	125	1	6	1501	6	34	133	10	6	1606	6	35	142	11	0	1715	0	
33	120	3	9	1443	9	34	128	11	0	1547	0	35	137	9	9	1653	9	36	147	0	0	1764	0	
34	123	11	6	1487	6	35	132	8	6	1592	6	36	141	9	0	1701	0	37	151	1	0	1813	0	
35	127	7	3	1531	3	36	136	6	0	1638	0	37	145	8	3	1748	3	38	155	2	0	1862	0	
36	131	3	0	1575	0	37	140	3	6	1683	6	38	149	7	6	1795	6	39	159	3	0	1911	0	
37	134	10	9	1618	9	38	144	1	0	1729	0	39	153	6	9	1842	9	40	163	4	0	1960	0	
38	138	6	6	1662	6	39	147	10	6	1774	6	40	157	6	0	1890	0	41	167	5	0	2009	0	
39	142	2	3	1706	3	40	151	8	0	1820	0	41	161	5	3	1937	3	42	171	6	0	2058	0	
40	145	10	0	1750	0	41	155	5	6	1865	6	42	165	4	6	1984	6	43	175	7	0	2107	0	
41	149	5	9	1793	9	42	159	3	0	1911	0	43	169	3	9	2031	9	44	179	8	0	2156	0	
42	153	1	6	1837	6	43	163	0	6	1956	6	44	173	3	0	2079	0	45	183	9	0	2205	0	
43	156	9	3	1881	3	44	166	10	0	2002	0	45	177	2	3	2126	3	46	187	10	0	2254	0	
44	160	5	0	1825	0	45	170	7	6	2047	6	46	181	1	6	2173	6	47	191	11	0	2303	0	
45	164	0	9	1968	9	46	174	5	0	2093	0	47	185	0	9	2220	9	48	196	0	0	2352	0	
46	167	8	6	2012	6	47	178	2	6	2138	6	48	189	0	0	2268	0	49	200	1	0	2401	0	
47	171	4	3	2056	3	48	182	0	0	2184	0	49	192	11	3	2315	3	50	204	2	0	2450	0	
48	175	0	0	2100	0	49	185	9	6	2229	6	50	196	10	6	2362	6							
49	178	7	9	2143	9	50	189	7	0	2275	0													
50	182	3	6	2187	6																			

22		23		24		25	
Cubic ft. in. pt.	Superf. ft. in.	Cubic ft. in. pt.	Superf. ft. in.	Cubic ft. in. pt.	Superf. ft. in.	Cubic ft. in. pt.	Superf. ft. in.
22	73 11 4	887 4	23	80 9 10	969 10	24	88 0 0
23	77 3 8	927 8	24	84 4 0	1012 0	25	91 8 0
24	80 8 0	968 0	25	87 10 2	1054 2	26	95 4 0
25	84 0 4	1008 4	26	91 4 4	1096 4	27	99 0 0
26	87 4 8	1048 8	27	94 10 6	1138 6	28	102 8 0
27	90 9 0	1089 0	28	98 4 8	1180 8	29	106 4 0
28	94 1 4	1129 4	29	101 10 10	1222 10	30	110 0 0
29	97 5 8	1169 8	30	105 5 0	1265 0	31	113 8 0
30	100 10 0	1210 0	31	108 11 2	1307 2	32	117 4 0
31	104 2 4	1250 4	32	112 5 4	1349 4	33	121 0 0
32	107 6 8	1290 8	33	115 11 6	1391 6	34	124 8 0
33	110 11 0	1331 0	34	119 5 8	1433 8	35	128 4 0
34	114 3 4	1371 4	35	122 11 10	1475 10	36	132 0 0
35	117 7 8	1411 8	36	126 6 0	1518 0	37	135 8 0
36	121 0 0	1452 0	37	130 0 2	1560 2	38	139 4 0
37	124 4 4	1492 4	38	133 6 4	1602 4	39	143 0 0
38	127 8 8	1532 8	39	137 0 6	1644 6	40	146 8 0
39	131 1 0	1573 0	40	140 6 8	1686 8	41	150 4 0
40	134 5 4	1613 4	41	144 0 10	1728 10	42	154 0 0
41	137 9 8	1653 8	42	147 7 0	1771 0	43	157 8 0
42	141 2 0	1694 0	43	151 1 2	1813 2	44	161 4 0
43	144 6 4	1734 4	44	154 7 4	1855 4	45	165 0 0
44	147 10 8	1774 8	45	158 1 6	1897 6	46	168 8 0
45	151 3 0	1815 0	46	161 7 8	1939 8	47	172 4 0
46	154 7 4	1855 4	47	165 1 10	1981 10	48	176 0 0
47	157 11 8	1895 8	48	168 8 0	2024 0	49	179 8 0
48	161 4 0	1936 0	49	172 2 2	2066 2	50	183 4 0
49	164 8 4	1976 4	50	175 8 4	2108 4		
50	168 0 8	2016 8					

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Cubic ft. in. pt.			Superf. ft. in.			Cubic ft. in. pt.			Superf. ft. in.			Cubic ft. in. pt.			Superf. ft. in.			Cubic ft. in. pt.			Superf. ft. in.		
26	103	3 4	1239	4		27	111	4 6	1336	6		28	119	9 4	1437	4		29	128	5 10	1541	10	
27	107	3 0	1287	0		28	115	6 0	1386	0		29	124	0 8	1488	8		30	132	11 0	1595	0	
28	111	2 8	1334	8		29	119	7 6	1435	6		30	128	4 0	1540	0		31	137	4 2	1648	2	
29	115	2 4	1382	4		30	123	9 0	1485	0		31	132	7 4	1591	4		32	141	9 4	1701	4	
30	119	2 0	1430	0		31	127	10 6	1534	6		32	136	10 8	1642	8		33	146	2 6	1754	6	
31	123	1 8	1477	8		32	132	0 0	1584	0		33	141	2 0	1694	0		34	150	7 8	1807	8	
32	127	1 4	1525	4		33	136	1 6	1633	6		34	145	5 4	1745	4		35	155	0 10	1860	10	
33	131	1 0	1573	0		34	140	3 0	1683	0		35	149	8 8	1796	8		36	159	6 0	1914	0	
34	135	0 8	1620	8		35	144	4 6	1732	6		36	154	0 0	1848	0		37	163	11 2	1967	2	
35	139	0 4	1668	4		36	148	6 0	1782	0		37	158	3 4	1899	4		38	168	4 4	2020	4	
36	143	0 0	1716	0		37	152	7 6	1831	6		38	162	6 8	1950	8		39	172	9 6	2073	6	
37	146	11 8	1763	8		38	156	9 0	1881	0		39	166	10 0	2002	0		40	177	2 8	2126	8	
38	150	11 4	1811	4		39	160	10 6	1930	6		40	171	1 4	2053	4		41	181	7 10	2179	10	
39	154	11 0	1859	0		40	165	0 0	1980	0		41	175	4 8	2104	8		42	186	1 0	2233	0	
40	158	10 8	1906	8		41	169	1 6	2029	6		42	179	8 0	2156	0		43	190	6 2	2286	2	
41	162	10 4	1954	4		42	173	3 0	2079	0		43	183	11 4	2207	4		44	194	11 4	2339	4	
42	166	10 0	2002	0		43	177	4 6	2128	6		44	188	2 8	2258	8		45	199	4 6	2392	6	
43	170	9 8	2049	8		44	181	6 0	2178	0		45	192	6 0	2310	0		46	203	9 8	2445	8	
44	174	9 4	2097	4		45	185	7 6	2227	6		46	196	9 4	2361	4		47	208	2 10	2498	10	
45	178	9 0	2145	0		46	189	9 0	2277	0		47	201	0 8	2412	8		48	212	8 0	2552	0	
46	182	8 8	2192	8		47	193	10 6	2326	6		48	205	4 0	2464	0		49	217	1 2	2605	2	
47	186	8 4	2240	4		48	198	0 0	2376	0		49	209	7 4	2515	4		50	221	6 4	2658	4	
48	190	8 0	2288	0		49	202	1 6	2425	6		50	213	10 8	2566	8							
49	194	7 8	2335	8		50	206	3 0	2475	0													
50	198	7 4	2383	4																			

23			24			25			26										
Cubic. ft. in. pt.			Superfi. ft. in.			Cubic ft. in. pt.			Superfi. ft. in.			Cubic ft. in. pt.			Superfi. ft. in.				
23	84	5 11	1013	11	24	92	00	1104	0	25	99	9 11	1197	11	26	107	11 8	1295	8
24	88	2 0	1058	0	25	95	100	1150	0	26	103	9 10	1245	10	27	112	1 6	1345	6
25	91	10 1	1102	1	26	99	80	1196	0	27	107	9 9	1293	9	28	116	3 4	1395	4
26	95	6 2	1146	2	27	103	60	1242	0	28	111	9 8	1341	8	29	120	5 2	1445	2
27	99	2 3	1190	3	28	107	40	1288	0	29	115	9 7	1389	7	30	124	7 0	1495	0
28	102	10 4	1234	4	29	111	20	1334	0	30	119	9 6	1437	6	31	128	8 10	1544	10
29	106	6 5	1278	5	30	115	00	1380	0	31	123	9 5	1485	5	32	132	10 8	1594	8
30	110	2 6	1322	6	31	118	100	1426	0	32	127	9 4	1533	4	33	137	0 6	1644	6
31	113	10 7	1366	7	32	122	80	1472	0	33	131	9 3	1581	3	34	141	2 4	1694	4
32	117	6 8	1410	8	33	126	60	1518	0	34	135	9 2	1629	2	35	145	4 2	1744	2
33	121	2 9	1454	9	34	130	40	1564	0	35	139	9 1	1677	1	36	149	6 0	1794	0
34	124	10 10	1498	10	35	134	20	1610	0	36	143	9 0	1725	0	37	153	7 10	1843	10
35	128	6 11	1542	11	36	138	00	1656	0	37	147	8 11	1772	11	38	157	9 8	1893	8
36	132	3 0	1587	0	37	141	100	1702	0	38	151	8 10	1820	10	39	161	11 6	1943	6
37	135	11 1	1631	1	38	145	80	1748	0	39	155	8 9	1868	9	40	166	1 4	1993	4
38	139	7 2	1675	2	39	149	60	1794	0	40	159	8 8	1916	8	41	170	3 2	2043	2
39	143	3 3	1719	3	40	153	40	1840	0	41	163	8 7	1964	7	42	174	5 0	2093	0
40	146	11 4	1763	4	41	157	20	1886	0	42	167	8 6	2012	6	43	178	6 10	2142	10
41	150	7 5	1807	5	42	161	00	1932	0	43	171	8 5	2060	5	44	182	8 8	2192	8
42	154	3 6	1851	6	43	164	100	1978	0	44	175	8 4	2108	4	45	186	10 6	2242	6
43	157	11 7	1895	7	44	168	80	2024	0	45	179	8 3	2156	3	46	191	0 4	2292	4
44	161	7 8	1939	8	45	172	60	2070	0	46	183	8 2	2204	2	47	195	2 2	2342	2
45	165	3 9	1983	9	46	176	40	2116	0	47	187	8 1	2252	1	48	199	4 0	2392	0
46	168	11 10	2027	10	47	180	20	2162	0	48	191	8 0	2300	0	49	203	5 10	2441	10
47	172	7 11	2071	11	48	184	00	2208	0	49	195	7 11	2347	11	50	207	7 8	2491	8
48	176	4 0	2116	0	49	187	100	2254	0	50	199	7 10	2395	10					
49	180	0 1	2160	1	50	191	80	2300	0										
50	183	8 2	2204	2															

[illegible]

[illegible]

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28		29		30		31	
Cubic ft. in. pt.	Superfi. ft. in.	Cubic ft. in. pt.	Superfi. ft. in.	Cubic ft. in. pt.	Superfi. ft. in.	Cubic ft. in. pt.	Superfi. ft. in.
28 130 8 0	1568 0	29 140 2 0	1682 0	30 150 0 0	1800 0	31 160 2 0	1922 0
29 135 4 0	1624 0	30 145 0 0	1740 0	31 155 0 0	1860 0	32 165 4 0	1984 0
30 140 0 0	1680 0	31 149 10 0	1798 0	32 160 0 0	1920 0	33 170 6 0	2046 0
31 144 8 0	1736 0	32 154 8 0	1856 0	33 165 0 0	1980 0	34 175 8 0	2108 0
32 149 4 0	1792 0	33 159 6 0	1914 0	34 170 0 0	2040 0	35 180 10 0	2170 0
33 154 0 0	1848 0	34 164 4 0	1972 0	35 175 0 0	2100 0	36 186 0 0	2232 0
34 158 8 0	1904 0	35 169 2 0	2030 0	36 180 0 0	2160 0	37 191 2 0	2294 0
35 163 4 0	1960 0	36 174 0 0	2088 0	37 185 0 0	2220 0	38 196 4 0	2356 0
36 168 0 0	2016 0	37 178 10 0	2146 0	38 190 0 0	2280 0	39 201 6 0	2418 0
37 172 8 0	2072 0	38 183 8 0	2204 0	39 195 0 0	2340 0	40 206 8 0	2480 0
38 177 4 0	2128 0	39 188 6 0	2262 0	40 200 0 0	2400 0	41 211 10 0	2542 0
39 182 0 0	2184 0	40 193 4 0	2320 0	41 205 0 0	2460 0	42 217 0 0	2604 0
40 186 8 0	2240 0	41 198 2 0	2378 0	42 210 0 0	2520 0	43 222 10 0	2674 0
41 191 4 0	2296 0	42 203 0 0	2436 0	43 215 0 0	2580 0	44 227 8 0	2732 0
42 196 0 0	2352 0	43 207 10 0	2494 0	44 220 0 0	2640 0	45 232 6 0	2790 0
43 200 8 0	2408 0	44 212 8 0	2552 0	45 225 0 0	2700 0	46 237 8 0	2852 0
44 205 4 0	2464 0	45 217 6 0	2610 0	46 230 0 0	2760 0	47 242 10 0	2914 0
45 210 0 0	2520 0	46 222 4 0	2668 0	47 235 0 0	2820 0	48 248 0 0	2976 0
46 214 8 0	2576 0	47 227 2 0	2726 0	48 240 0 0	2880 0	49 253 2 0	3038 0
47 219 4 0	2632 0	48 232 0 0	2784 0	49 245 0 0	2940 0	50 258 4 0	3100 0
48 224 0 0	2688 0	49 236 10 0	2842 0	50 250 0 0	3000 0		
49 228 8 0	2744 0	50 241 8 0	2900 0				
50 233 4 0	2800 0						

25						26						27						28					
Cubic ft. m. pt.				Superfi. ft. in.		Cubic ft. m. pt.				Superfi. ft. in.		Cubic ft. in. pt.				Superfi. ft. in.		Cubic ft. in. pt.				Superfi. ft. in.	
25	108	6	1	1302	1	26	117	4	4	1408	4	27	126	6	9	1518	9	28	136	1	4	1633	4
26	112	10	2	1354	2	27	121	10	6	1462	6	28	131	3	0	1575	0	29	140	11	8	1691	8
27	117	2	3	1406	3	28	126	4	8	1516	8	29	135	11	3	1631	3	30	145	10	0	1750	0
28	121	6	4	1458	4	29	130	10	10	1570	10	30	140	7	6	1687	6	31	150	8	4	1808	4
29	125	10	5	1510	5	30	135	5	0	1625	0	31	145	3	9	1743	9	32	155	6	8	1866	8
30	130	2	6	1562	6	31	139	11	2	1679	2	32	150	0	0	1800	0	33	160	5	0	1925	0
31	134	6	7	1614	7	32	144	5	4	1733	4	33	154	8	3	1856	3	34	165	3	4	1983	4
32	138	10	8	1666	8	33	148	11	6	1787	6	34	159	4	6	1912	6	35	170	1	8	2041	8
33	143	2	9	1718	9	34	153	5	8	1841	8	35	164	0	9	1968	9	36	175	0	0	2100	0
34	147	6	10	1770	10	35	157	11	10	1895	10	36	168	9	0	2025	0	37	179	10	4	2158	4
35	151	10	11	1822	11	36	162	6	0	1950	0	37	173	5	3	2081	3	38	184	8	8	2216	8
36	156	3	0	1875	0	37	167	10	2	2014	2	38	178	1	6	2137	6	39	189	7	0	2275	0
37	160	7	1	1927	1	38	171	6	4	2058	4	39	182	9	9	2193	9	40	194	5	4	2333	4
38	164	11	2	1979	2	39	176	0	6	2112	6	40	187	6	0	2250	0	41	199	3	8	2391	8
39	169	3	3	2031	3	40	180	6	8	2166	8	41	192	2	3	2306	3	42	204	2	0	2450	0
40	173	7	4	2083	4	41	185	0	10	2220	10	42	196	10	6	2362	6	43	209	0	4	2508	4
41	177	11	5	2135	5	42	189	7	0	2275	0	43	201	6	9	2418	9	44	213	10	8	2566	8
42	182	3	6	2187	6	43	194	1	2	2329	2	44	206	3	0	2475	0	45	218	9	0	2625	0
43	186	7	7	2239	7	44	198	7	4	2383	4	45	210	11	3	2531	3	46	223	7	4	2683	4
44	190	11	8	2291	8	45	203	1	6	2437	6	46	215	7	6	2587	6	47	228	5	8	2741	8
45	195	3	9	2343	9	46	207	7	8	2491	8	47	220	3	9	2643	9	48	233	4	0	2800	0
46	199	7	10	2395	10	47	212	1	10	2545	10	48	225	0	0	2700	0	49	238	2	4	2858	4
47	203	11	11	2447	11	48	216	8	0	2600	0	49	229	8	3	2756	3	50	243	0	8	2916	8
48	208	4	0	2500	0	49	221	2	2	2654	2	50	234	4	6	2812	6						
49	212	8	1	2552	1	50	225	8	4	2708	4												
50	217	0	2	2604	2																		

29

	Cubic ft. in. pt.		Superfi. ft. in.	
29	1460	1	1752	1
30	1510	6	1812	6
31	1560	11	1872	11
32	1611	4	1933	4
33	1661	9	1993	9
34	1712	2	2054	2
35	1762	7	2114	7
36	1813	0	2175	0
37	1863	5	2235	5
38	1913	10	2295	10
39	1964	3	2356	3
40	2014	8	2416	8
41	2065	1	2477	1
42	2115	6	2537	6
43	2165	11	2597	11
44	2216	4	2658	4
45	2266	9	2718	9
46	2317	2	2779	2
47	2367	7	2839	7
48	2418	0	2900	0
49	2468	5	2960	5
50	2518	10	3020	10

30

	Cubic ft. in. pt.		Superfi. ft. in.	
30	156	3 0	1875	0
31	161	5 6	1937	6
32	166	8 0	2000	0
33	171	10 6	2062	6
34	177	1 0	2125	0
35	182	3 6	2187	6
36	187	6 0	2250	0
37	192	8 6	2312	6
38	197	11 0	2375	0
39	203	1 6	2437	6
40	208	4 0	2500	0
41	213	6 6	2562	6
42	218	9 0	2625	0
43	223	11 6	2687	6
44	229	2 0	2750	0
45	234	4 6	2812	6
46	239	7 0	2875	0
47	244	9 6	2937	6
48	250	0 0	3000	0
49	255	2 6	3062	6
50	260	5 0	3125	0

31

	Cubic ft. in. pt.		Superfi. ft. in.	
31	166	10 1	2002	1
32	172	2 8	2066	8
33	177	8 3	2132	3
34	182	11 10	2195	10
35	188	4 5	2260	5
36	193	9 0	2325	0
37	199	1 7	2389	7
38	204	6 2	2454	2
39	209	10 9	2518	9
40	215	3 4	2583	4
41	220	7 11	2647	11
42	226	0 6	2712	6
43	231	5 1	2777	1
44	236	9 8	2841	8
45	242	2 3	2906	3
46	247	6 10	2970	10
47	252	11 5	3035	5
48	258	4 0	3100	0
49	263	8 7	3164	7
50	269	1 2	3229	2

32

	Cubic ft. in. pt.		Superfi. ft. in.	
32	177	9 4	2133	4
33	183	4 0	2200	0
34	188	10 8	2266	8
35	194	5 4	2333	4
36	200	0 0	2400	0
37	205	6 8	2466	8
38	211	1 4	2533	4
39	216	8 0	2600	0
40	222	2 8	2666	8
41	227	9 4	2733	4
42	233	4 0	2800	0
43	238	10 8	2866	8
44	244	5 4	2933	4
45	250	0 0	3000	0
46	255	6 8	3066	8
47	261	1 4	3133	4
48	266	8 0	3200	0
49	272	2 8	3266	8
50	277	9 4	3333	4

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	Cubic			Superfi.			Cubic			Superfi.			Cubic			Superfi.			Cubic			Superfi.	
	ft.	in.	pt.	ft.	in.		ft.	in.	pt.	ft.	in.		ft.	in.	pt.	ft.	in.		ft.	in.	pt.	ft.	in.
30	162	6	0	1950	0	31	173	6	2	2082	2	32	184	10	8	2218	8	33	196	7	6	2359	6
31	167	11	0	2015	0	32	179	1	4	2149	4	33	190	8	0	2288	0	34	202	7	0	2431	0
32	173	4	0	2080	0	33	184	8	6	2216	6	34	196	5	4	2357	4	35	208	6	6	2502	6
33	178	9	0	2145	0	34	190	3	8	2283	8	35	202	2	8	2426	8	36	214	6	0	2574	0
34	184	2	0	2210	0	35	195	10	10	2350	10	36	208	0	0	2496	0	37	220	5	6	2645	6
35	189	7	0	2275	0	36	201	6	0	2418	0	37	213	9	4	2565	4	38	226	5	0	2717	0
36	195	0	0	2340	0	37	207	1	2	2485	2	38	219	6	8	2634	8	39	232	4	6	2788	6
37	200	5	0	2405	0	38	212	8	4	2552	4	39	225	4	0	2704	0	40	238	4	0	2860	0
38	205	10	0	2470	0	39	218	3	6	2619	6	40	231	1	4	2773	4	41	244	3	6	2931	6
39	211	3	0	2535	0	40	223	10	8	2686	8	41	236	10	8	2842	8	42	250	3	0	3003	0
40	216	8	0	2600	0	41	229	5	10	2753	10	42	242	8	0	2912	0	43	256	2	6	3074	6
41	222	1	0	2665	0	42	235	1	0	2821	0	43	248	5	4	2981	4	44	262	2	0	3146	0
42	227	6	0	2730	0	43	240	8	2	2888	2	44	254	2	8	3050	8	45	268	1	6	3217	6
43	232	11	0	2795	0	44	246	3	4	2955	4	45	260	0	0	3120	0	46	274	1	0	3289	0
44	238	4	0	2860	0	45	251	10	6	3022	6	46	265	9	4	3189	4	47	280	0	6	3360	6
45	243	9	0	2925	0	46	257	5	8	3089	8	47	271	6	8	3258	8	48	286	0	0	3432	0
46	249	2	0	2990	0	47	263	0	10	3156	10	48	277	4	0	3328	0	49	291	11	6	3503	6
47	254	7	0	3055	0	48	268	8	0	3224	0	49	283	1	4	3397	4	50	297	11	0	3575	0
48	260	0	0	3120	0	49	274	3	2	3291	2	50	288	10	8	3466	8						
49	265	5	0	3185	0	50	279	10	4	3358	4												
50	270	10	0	3250	0																		

[illegible]

31

	Cubic ft. in. pt.			Superfi. ft. in.
31	180	2	3	2162 3
32	186	0	0	2232 0
33	191	9	9	2301 9
34	197	7	6	2371 6
35	203	5	3	2441 3
36	209	3	0	2511 0
37	215	0	9	2580 9
38	220	10	6	2650 6
39	226	8	3	2720 3
40	232	6	0	2790 0
41	238	3	9	2859 9
42	244	1	6	2929 6
43	249	11	3	2999 3
44	255	9	0	3069 0
45	261	6	9	3138 9
46	267	4	6	3208 6
47	273	2	3	3278 3
48	279	0	0	3348 0
49	284	9	9	3417 9
50	290	7	6	3487 6

32

	Cubic ft. in. pt.			Superfi. ft. in.
32	192	0	0	2304 0
33	198	0	0	2376 0
34	204	0	0	2448 0
35	210	0	0	2520 0
36	216	0	0	2592 0
37	222	0	0	2664 0
38	228	0	0	2736 0
39	234	0	0	2808 0
40	240	0	0	2880 0
41	246	0	0	2952 0
42	252	0	0	3024 0
43	258	0	0	3096 0
44	264	0	0	3168 0
45	270	0	0	3240 0
46	276	0	0	3312 0
47	282	0	0	3384 0
48	288	0	0	3456 0
49	294	0	0	3528 0
50	300	0	0	3600 0

33

	Cubic ft. in. pt.			Superfi. ft. in.
33	204	2	3	2450 3
34	210	4	6	2524 6
35	216	6	9	2598 9
36	222	9	0	2673 0
37	228	11	3	2747 3
38	235	1	6	2821 6
39	241	3	9	2895 9
40	247	6	0	2970 0
41	253	8	3	3044 3
42	259	10	6	3118 6
43	266	0	9	3192 9
44	272	3	0	3267 0
45	278	5	3	3341 3
46	284	7	6	3415 6
47	290	9	9	3489 9
48	297	0	0	3564 0
49	303	2	3	3638 3
50	309	4	6	3712 6

34

	Cubic ft. in. pt.			Superfi. ft. in.
34	216	9	0	2601 0
35	223	1	6	2677 6
36	229	6	0	2754 0
37	235	10	6	2830 6
38	242	3	0	2907 0
39	248	7	6	2983 6
40	255	0	0	3060 0
41	261	4	6	3136 6
42	267	9	0	3213 0
43	274	1	6	3289 6
44	280	6	0	3366 0
45	286	10	6	3442 6
46	293	3	0	3519 0
47	299	7	6	3595 6
48	306	0	0	3672 0
49	312	4	6	3748 6
50	318	9	0	3825 0

[illegible]

32				33				34				35			
Cubic ft. in. pt.		Superfi. ft. in.		Cubic ft. in. pt.		Superfi. ft. in.		Cubic ft. in. pt.		Superfi. ft. in.		Cubic ft. in. pt.		Superfi. ft. in.	
32	199	1	4	2389	4	33	211	9	0	2541	0	34	224	9	4
33	205	4	0	2464	0	34	218	2	0	2618	0	35	231	4	8
34	211	6	8	2538	8	35	224	7	0	2695	0	36	238	0	0
35	217	9	4	2613	4	36	231	0	0	2772	0	37	244	7	4
36	224	0	0	2688	0	37	237	5	0	2849	0	38	251	2	8
37	230	2	8	2762	8	38	243	10	0	2926	0	39	257	10	0
38	236	5	4	2837	4	39	250	3	0	3003	0	40	264	5	4
39	242	8	0	2912	0	40	256	8	0	3080	0	41	271	0	8
40	248	10	8	2986	8	41	263	1	0	3157	0	42	277	8	0
41	255	1	4	3061	4	42	269	6	0	3234	0	43	284	3	4
42	261	4	0	3136	0	43	275	11	0	3311	0	44	290	10	8
43	267	6	8	3210	8	44	282	4	0	3388	0	45	297	6	0
44	273	9	4	3285	4	45	288	9	0	3465	0	46	304	1	4
45	280	0	0	3360	0	46	295	2	0	3542	0	47	310	8	8
46	286	2	8	3434	8	47	301	7	0	3619	0	48	317	4	0
47	292	5	4	3509	4	48	308	0	0	3696	0	49	323	11	4
48	298	8	0	3584	0	49	314	5	0	3773	0	50	330	6	8
49	304	10	8	3658	8	50	320	10	0	3850	0				
50	311	1	4	3733	4										

29						30						31						32								
			Cubic ft. in.pt.			Superfi. ft. in.						Cubic ft. in.pt.			Superfi. ft. in.						Cubic ft. in.pt.			Superfi. ft. in.		
29	169	4	5	2032	5	30	181	3	0	2175	0	31	193	6	5	2322	5	32	206	2	8	2474	8			
30	175	2	6	2102	6	31	187	3	6	2247	6	32	199	9	4	2397	4	33	212	8	0	2552	0			
31	181	0	7	2172	7	32	193	4	0	2320	0	33	206	0	3	2472	3	34	219	1	4	2629	4			
32	186	10	8	2242	8	33	199	4	6	2392	6		212	3	2	2547	2	35	225	6	8	2706	8			
33	192	8	9	2312	9	34	205	5	0	2465	0	35	218	6	1	2622	1	36	232	0	0	2784	0			
34	198	6	10	2382	10	35	211	5	6	2537	6	36	224	9	0	2697	0	37	238	5	4	2861	4			
35	204	4	11	2452	11	36	217	6	0	2610	0	37	230	11	11	2771	11	38	244	10	8	2938	8			
36	210	3	0	2523	0	37	223	6	6	2682	6	38	237	2	10	2846	10	39	251	4	0	3016	0			
37	216	1	1	2593	1	38	229	7	0	2755	0	39	243	5	9	2921	9	40	257	9	4	3093	4			
38	221	11	2	2663	2	39	235	7	6	2827	6	40	249	8	8	2996	8	41	264	2	8	3170	8			
39	227	9	3	2733	3	40	241	8	0	2900	0	41	255	11	7	3071	7	42	270	8	0	3248	0			
40	233	7	4	2803	4	41	247	8	6	2972	6	42	262	2	6	3146	6	43	277	1	4	3325	4			
41	239	5	5	2873	5	42	253	9	0	3045	0	43	268	5	5	3221	5	44	283	6	8	3402	8			
42	245	3	6	2943	6	43	259	9	6	3117	6	44	274	8	4	3296	4	45	290	0	0	3480	0			
43	251	1	7	3013	7	44	265	10	0	3190	0	45	280	11	3	3371	3	46	296	5	4	3557	4			
44	256	11	8	3083	8	45	271	10	6	3262	6	46	287	2	2	3446	2	47	302	10	8	3634	8			
45	262	9	9	3153	9	46	277	11	0	3335	0	47	293	5	1	3521	1	48	309	4	0	3712	0			
46	268	7	10	3223	10	47	283	11	6	3407	6	48	299	8	0	3596	0	49	315	9	4	3789	4			
47	274	5	11	3293	11	48	290	0	0	3480	0	49	305	10	10	3670	10	50	322	2	8	3866	8			
48	280	4	0	3364	0	49	296	0	6	3552	6	50	312	1	10	3745	10									
49	286	2	1	3434	1	50	302	1	0	3625	0															
50	292	0	2	3504	2																					

[illegible]

[illegible]

34

	Cubic ft. in. pt.	Superfi. ft. in.
34	240 10 0	2890 0
35	247 11 0	2975 0
36	255 0 0	3060 0
37	262 1 0	3145 0
38	269 2 0	3230 0
39	276 3 0	3315 0
40	283 4 0	3400 0
41	290 5 0	3485 0
42	297 6 0	3570 0
43	304 7 0	3655 0
44	311 8 0	3740 0
45	318 9 0	3825 0
46	325 10 0	3910 0
47	332 11 0	3995 0
48	340 0 0	4080 0
49	347 1 0	4165 0
50	354 2 0	4250 0

35

	Cubic ft. in. pt.	Superfi. ft. in.
35	255 2 6	3062 6
36	262 6 0	3150 0
37	269 9 6	3237 6
38	277 1 0	3325 0
39	284 4 6	3412 6
40	291 8 0	3500 0
41	298 11 6	3587 6
42	306 3 0	3675 0
43	313 6 6	3762 6
44	320 10 0	3850 0
45	328 1 6	3937 6
46	335 5 0	4025 0
47	342 8 6	4112 6
48	350 0 0	4200 0
49	357 3 6	4287 6
50	364 7 0	4375 0

36

	Cubic ft. in. pt.	Superfi. ft. in.
36	270 0 0	3240 0
37	277 6 0	3330 0
38	285 0 0	3420 0
39	292 6 0	3510 0
40	300 0 0	3600 0
41	307 6 0	3690 0
42	315 0 0	3780 0
43	322 6 0	3870 0
44	330 0 0	3960 0
45	337 6 0	4050 0
46	345 0 0	4140 0
47	352 6 0	4230 0
48	360 0 0	4320 0
49	367 6 0	4410 0
50	375 0 0	4500 0

37

	Cubic ft. in. pt.	Superfi. ft. in.
37	285 2 6	3422 6
38	292 11 0	3515 0
39	300 7 6	3607 6
40	308 4 0	3700 0
41	316 0 6	3792 6
42	323 9 0	3885 0
43	331 5 6	3977 6
44	339 2 0	4070 0
45	346 10 6	4162 6
46	354 7 0	4255 0
47	362 3 6	4347 6
48	370 0 0	4440 0
49	377 8 6	4532 6
50	385 5 0	4625 0

31					32					33					34								
Cubic ft. in. pt.			Superfi. ft. in.		Cubic ft. in. pt.			Superfi. ft. in.		Cubic ft. in. pt.			Superfi. ft. in.		Cubic ft. in. pt.			Superfi. ft. in.					
31	206	10	7	2482	7	32	220	5	4	2645	4	33	234	5	3	2813	3	34	248	10	4	2986	4
32	213	6	8	2562	8	33	227	4	0	2728	0	34	241	6	6	2898	6	35	256	2	2	3074	2
33	220	2	9	2642	9	34	234	2	8	2810	8	35	248	7	9	2983	9	36	263	6	0	3162	0
34	226	10	10	2722	10	35	241	1	4	2893	4	36	255	9	0	3069	0	37	270	9	10	3249	10
35	233	6	11	2802	11	36	248	0	0	2976	0	37	262	10	3	3154	3	38	278	1	8	3337	8
36	240	3	0	2883	0	37	254	10	8	3058	8	38	269	11	6	3239	6	39	285	5	6	3425	6
37	246	11	1	2963	1	38	261	9	4	3141	4	39	277	0	9	3324	9	40	292	9	4	3513	4
38	253	7	2	3043	2	39	268	8	0	3224	0	40	284	2	0	3410	0	41	300	1	2	3601	2
39	260	3	3	3123	3	40	275	6	8	3306	8	41	291	3	3	3495	3	42	307	5	0	3689	0
40	266	11	4	3203	4	41	282	5	4	3389	4	42	298	4	6	3580	6	43	314	8	10	3776	10
41	273	7	5	3283	5	42	289	4	0	3472	0	43	305	5	9	3665	9	44	322	0	8	3864	8
42	280	3	6	3363	6	43	296	2	8	3554	8	44	312	7	0	3751	0	45	329	4	6	3952	6
43	286	11	7	3443	7	44	303	1	4	3637	4	45	319	8	3	3836	3	46	336	8	4	4040	4
44	293	7	8	3523	8	45	310	0	0	3720	0	46	326	9	6	3921	6	47	344	0	2	4128	2
45	300	3	9	3603	9	46	316	10	8	3802	8	47	333	10	9	4006	9	48	351	4	0	4216	0
46	306	11	10	3683	10	47	323	9	4	3885	4	48	341	0	0	4092	0	49	358	7	10	4303	10
47	313	7	11	3763	11	48	330	8	0	3968	0	49	348	1	3	4177	3	50	365	11	8	4391	8
48	320	4	0	3844	0	49	337	6	8	4050	8	50	355	2	6	4262	6						
49	327	0	1	3924	1	50	344	5	4	4133	4												
50	333	8	2	4004	2																		

35

	Cubic ft. in. pt.			Superfi. ft. in.	
35	263	8	7	3164	7
36	271	3	0	3255	0
37	278	9	5	3345	5
38	286	3	10	3435	10
39	293	10	3	3526	3
40	301	4	8	3616	8
41	308	11	1	3707	1
42	316	5	6	3797	6
43	323	11	11	3887	11
44	331	6	4	3978	4
45	339	0	9	4068	9
46	346	7	2	4159	2
47	354	1	7	4249	7
48	361	8	0	4340	0
49	369	2	5	4430	5
50	376	8	10	4520	10

36

	Cubic ft. in. pt.			Superfi. ft. in.	
36	278	9	0	3343	0
37	286	9	0	3441	0
38	294	6	0	3534	0
39	302	3	0	3627	0
40	310	0	0	3720	0
41	317	9	0	3813	0
42	325	6	0	3906	0
43	333	3	0	3999	0
44	341	0	0	4092	0
45	348	9	0	4185	0
46	356	6	0	4278	0
47	364	3	0	4371	0
48	372	0	0	4464	0
49	379	9	0	4557	0
50	387	6	0	4650	0

37

	Cubic ft. in. pt.			Superfi. ft. in.	
37	294	8	7	3536	7
38	302	8	2	3632	2
39	310	7	9	3727	9
40	318	7	4	3823	4
41	326	6	11	3918	11
42	334	6	6	4014	6
43	342	6	1	4110	1
44	350	5	8	4205	8
45	358	5	3	4301	3
46	366	4	10	4396	10
47	374	4	5	4492	5
48	382	4	0	4588	0
49	390	3	7	4683	7
50	398	3	2	4779	2

38

	Cubic ft. in. pt.			Superfi. ft. in.	
38	310	10	4	3730	4
39	319	0	6	3828	6
40	327	2	8	3926	8
41	335	4	10	4024	10
42	343	7	0	4123	0
43	351	9	2	4221	2
44	359	11	4	4319	4
45	368	1	6	4417	6
46	376	3	8	4515	8
47	384	5	10	4613	10
48	392	8	0	4712	0
49	400	10	2	4810	2
50	409	0	4	4908	4

[illegible]

36

	Cubic ft. in.pt.	Superfi. ft. in.
36	288 0 0	3456 0
37	296 0 0	3552 0
38	304 0 0	3648 0
39	312 0 0	3744 0
40	320 0 0	3840 0
41	328 0 0	3936 0
42	336 0 0	4032 0
43	344 0 0	4128 0
44	352 0 0	4224 0
45	360 0 0	4320 0
46	368 0 0	4416 0
47	376 0 0	4512 0
48	384 0 0	4608 0
49	392 0 0	4704 0
50	400 0 0	4800 0

37

	Cubic ft. in. pt.	Superfi. ft. in.
37	304 2 8	3650 8
38	312 5 4	3749 4
39	320 8 0	3848 0
40	328 10 8	3946 8
41	337 1 4	4045 4
42	345 4 0	4144 0
43	353 6 8	4242 8
44	361 9 4	4341 4
45	370 0 0	4440 0
46	378 2 8	4538 8
47	386 5 4	4637 4
48	394 8 0	4736 0
49	402 10 8	4834 8
50	411 1 4	4933 4

38

	Cubic ft. in.pt.	Superfi. ft. in.
38	320 10 8	3850 8
39	329 4 0	3952 0
40	337 9 4	4053 4
41	346 2 8	4154 8
42	354 8 0	4256 0
43	363 1 4	4357 4
44	371 6 8	4458 8
45	380 0 0	4560 0
46	388 5 4	4661 4
47	396 10 8	4762 8
48	405 4 0	4864 0
49	413 9 4	4965 4
50	422 2 8	5066 8

39

	Cubic ft. in. pt.	Superfi. ft. in.
39	338 0 0	4056 0
40	346 8 0	4160 0
41	355 4 0	4264 0
42	364 0 0	4368 0
43	372 8 0	4472 0
44	381 4 0	4576 0
45	390 0 0	4680 0
46	398 8 0	4784 0
47	407 4 0	4888 0
48	416 0 0	4992 0
49	424 8 0	5096 0
50	433 4 0	5200 0

[illegible]

37

	Cubic ft. in. pt.			Superfi. ft. in.
37	313	8	9	3764 9
38	322	2	6	3866 6
39	330	8	3	3968 3
40	339	2	0	4070 0
41	347	7	9	4171 9
42	356	1	6	4273 6
43	364	7	3	4375 3
44	373	1	0	4477 0
45	381	6	9	4578 9
46	390	0	6	4680 6
47	398	6	3	4782 3
48	407	0	0	4884 0
49	415	5	9	4985 9
50	423	11	6	5087 6

38

	Cubic ft. in. pt.			Superfi. ft. in.
38	330	11	0	3971 0
39	339	7	6	4075 6
40	348	4	0	4180 0
41	357	0	6	4284 6
42	365	9	0	4389 0
43	374	5	6	4493 6
44	383	2	0	4598 0
45	391	10	6	4702 6
46	400	7	0	4807 0
47	409	3	6	4911 6
48	418	0	0	5016 0
49	426	8	6	5120 6
50	435	5	0	5225 0

39

	Cubic ft. in. pt.			Superfi. ft. in.
39	348	6	9	4182 9
40	357	6	0	4290 0
41	366	5	3	4397 3
42	375	4	6	4504 6
43	384	3	9	4611 9
44	393	3	0	4719 0
45	402	2	3	4826 3
46	411	1	6	4933 6
47	420	0	9	5040 9
48	429	0	0	5148 0
49	437	11	3	5255 3
50	446	10	6	5362 6

40

	Cubic ft. in. pt.			Superfi. ft. in.
40	366	8	0	4400 0
41	375	10	0	4510 0
42	385	0	0	4620 0
43	394	2	0	4730 0
44	403	4	0	4840 0
45	412	6	0	4950 0
46	421	8	0	5060 0
47	430	10	0	5170 0
48	440	0	0	5280 0
49	449	2	0	5390 0
50	458	4	0	5500 0

[illegible]

38				39				40				41			
		Cubic ft. in. pt.	Superfi. ft. in.			Cubic ft. in. pt.	Superfi. ft. in.			Cubic ft. in. pt.	Superfi. ft. in.			Cubic ft. in. pt.	Superfi. ft. m.
38	340	11 4	40914	39	359	1 6	43096	40	377	9 4	45334	41	396	10 10	476210
39	349	11 0	41990	40	368	4 0	44200	41	387	2 8	46468	42	406	7 0	48790
40	358	10 8	43068	41	377	6 6	45306	42	396	8 0	47600	43	416	3 2	49952
41	367	10 4	44144	42	386	9 0	46410	43	406	1 4	48734	44	425	11 4	51114
42	376	10 0	45220	43	395	11 6	47516	44	415	6 8	49868	45	435	7 6	52276
43	385	9 8	46298	44	405	2 0	48620	45	425	0 0	51000	46	445	3 8	53438
44	394	9 4	47374	45	414	4 6	49720	46	434	5 4	52134	47	454	11 10	545910
45	403	9 0	48450	46	423	7 0	50830	47	443	10 8	53268	48	464	8 0	55760
46	412	8 8	49528	47	432	9 6	51936	48	453	4 0	54400	49	474	4 2	56922
47	421	8 4	50604	48	442	0 0	53040	49	462	9 4	55534	50	484	0 4	58084
48	430	8 0	51680	49	451	2 6	54146	50	472	2 8	56668				
49	439	7 8	52758	50	460	5 0	55250								
50	448	7 4	53834												

35					36					37					38						
Cubic ft. in. pt.			Superfi. ft. in.		Cubic ft. in.pt.			Superfi. ft. in.		Cubic ft. in. pt.			Superfi. ft. in.		Cubic ft. in. pt.			Superfi. ft. in.			
35	297	8	1	3572	11	36	315	0	0	3780	0	37	332	8	11	3992	11	38	350	11	8
36	306	3	0	3675	0	37	323	9	0	3885	0	38	341	8	10	4100	10	39	360	2	6
37	314	9	1	3777	1	38	332	6	0	3990	0	39	350	8	9	4208	9	40	369	5	4
38	323	3	2	3879	2	39	341	3	0	4095	0	40	359	8	8	4316	8	41	378	8	2
39	331	9	3	3981	3	40	350	0	0	4200	0	41	368	8	7	4424	7	42	387	11	0
40	340	3	4	4083	4	41	358	9	0	4305	0	42	377	8	6	4532	6	43	397	1	10
41	348	9	5	4185	5	42	367	6	0	4410	0	43	386	8	5	4640	5	44	406	4	8
42	357	3	6	4287	6	43	376	3	0	4515	0	44	395	8	4	4748	4	45	415	7	6
43	365	9	7	4389	7	44	385	0	0	4620	0	45	404	8	3	4856	3	46	424	10	4
44	374	3	8	4491	8	45	393	9	0	4725	0	46	413	8	2	4964	2	47	434	1	2
45	382	9	9	4593	9	46	402	6	0	4830	0	47	422	8	1	5072	1	48	443	4	0
46	391	3	10	4695	10	47	411	3	0	4935	0	48	431	8	0	5180	0	49	452	6	10
47	399	9	11	4797	11	48	420	0	0	5040	0	49	440	7	11	5287	11	50	461	9	8
48	408	4	0	4900	0	49	428	9	0	5145	0	50	449	7	10	5395	10				
49	416	10	1	5002	1	50	437	6	0	5250	0										
50	425	4	2	5104	2																

39

	Cubic ft. m. pt.			Superfi. ft. in.
39	369	8	3	4436 3
40	379	2	0	4550 0
41	388	7	9	4663 9
42	398	1	6	4777 6
43	407	7	3	4891 3
44	417	1	0	5005 0
45	426	6	9	5118 9
46	436	0	6	5232 6
47	445	6	3	5346 3
48	455	0	0	5460 0
49	464	5	9	5573 9
50	473	11	6	5687 6

40

	Cubic ft. in. pt.			Superfi. ft. in.
40	388	10	8	4666 8
41	398	7	4	4783 4
42	408	4	0	4900 0
43	418	0	8	5016 8
44	427	9	4	5133 4
45	437	6	0	5250 0
46	447	2	8	5366 8
47	456	11	4	5483 4
48	466	8	0	5600 0
49	476	4	8	5716 8
50	486	1	4	5833 4

41

	Cubic ft. in. pt.			Superfi. ft. in.
41	408	6	11	4902 11
42	418	6		5022 6
43	428	6	1	5142 1
44	438	5	8	5261 8
45	448	5	3	5381 3
46	458	4	10	5500 10
47	468	4	5	5620 5
48	478	4	0	5740 0
49	488	3	7	5859 7
50	498	3	2	5979 2

42

	Cubic ft. in. pt.			Superfi. ft. in.
42	428	9	0	5145 0
43	438	11	6	5267 6
44	449	2	0	5390 0
45	459	4	6	5512 6
46	469	7	0	5635 0
47	479	9	6	5757 6
48	490	0	0	5880 0
49	500	2	6	6002 6
50	510	5	0	6125 0

36				37				38				39			
Cubic ft. in. pt.			Superf. ft. in.	Cubic ft. in. pt.			Superf. ft. in.	Cubic ft. in. pt.			Superf. ft. in.	Cubic ft. in. pt.			Superf. ft. in.
36	324	0 0	3888 0	37	342	3 0	4107 0	38	361	0 0	4332 0	39	380	3 0	4563 0
37	333	0 0	3996 0	38	351	6 0	4218 0	39	370	6 0	4446 0	40	390	0 0	4680 0
38	342	0 0	4104 0	39	360	9 0	4329 0	40	380	0 0	4560 0	41	399	9 0	4797 0
39	351	0 0	4212 0	40	370	0 0	4440 0	41	389	6 0	4674 0	42	409	6 0	4914 0
40	360	0 0	4320 0	41	379	3 0	4551 0	42	399	0 0	4788 0	43	419	3 0	5031 0
41	369	0 0	4428 0	42	388	6 0	4662 0	43	408	6 0	4902 0	44	429	0 0	5148 0
42	378	0 0	4536 0	43	397	9 0	4773 0	44	418	0 0	5016 0	45	438	9 0	5265 0
43	387	0 0	4644 0	44	407	0 0	4884 0	45	427	6 0	5130 0	46	448	6 0	5382 0
44	396	0 0	4752 0	45	416	3 0	4995 0	46	437	0 0	5244 0	47	458	3 0	5499 0
45	405	0 0	4860 0	46	425	6 0	5106 0	47	446	6 0	5358 0	48	468	0 0	5616 0
46	414	0 0	4968 0	47	434	9 0	5217 0	48	456	0 0	5472 0	49	477	9 0	5733 0
47	423	0 0	5076 0	48	444	0 0	5328 0	49	465	6 0	5586 0	50	487	6 0	5850 0
48	432	0 0	5184 0	49	453	3 0	5439 0	50	475	0 0	5700 0				
49	441	0 0	5292 0	50	462	6 0	5550 0								
50	450	0 0	5400 0												

40

	Cubic ft. in. pt.			Superfi. ft. in.
40	400	0	0	4800 0
41	410	0	0	4920 0
42	420	0	0	5040 0
43	430	0	0	5160 0
44	440	0	0	5280 0
45	450	0	0	5400 0
46	460	0	0	5520 0
47	470	0	0	5640 0
48	480	0	0	5760 0
49	490	0	0	5880 0
50	500	0	0	6000 0

41

	Cubic ft. in. pt.			Superfi. ft. in.
41	420	3	0	5043 0
42	430	6	0	5166 0
43	440	9	0	5289 0
44	451	0	0	5412 0
45	461	3	0	5535 0
46	471	6	0	5658 0
47	481	9	0	5781 0
48	492	0	0	5904 0
49	502	3	0	6027 0
50	512	6	0	6150 0

42

	Cubic ft. in. pt.			Superfi. ft. in.
42	441	0	0	5292 0
43	451	6	0	5418 0
44	462	0	0	5544 0
45	472	6	0	5670 0
46	483	0	0	5796 0
47	493	6	0	5922 0
48	504	0	0	6048 0
49	514	6	0	6174 0
50	525	0	0	6300 0

43

	Cubic ft. in. pt.			Superfi. ft. in.
43	462	3	0	5547 0
44	473	0	0	5676 0
45	483	9	0	5805 0
46	494	6	0	5934 0
47	505	3	0	6063 0
48	516	0	0	6192 0
49	526	9	0	6321 0
50	537	6	0	6450 0

37						38						39						40					
Cubic ft. in. pt.			Superfi. ft. in.			Cubic ft. in. pt.			Superfi. ft. in.			Cubic ft. in. pt.			Superfi. ft. in.			Cubic ft. in. pt.			Superfi. ft. in.		
37	351	9	1	4221	1	38	371	0	4	4452	4	39	390	9	9	4689	9	40	411	1	4	4933	4
38	361	3	2	4335	2	39	380	9	6	4569	6	40	400	10	0	4810	0	41	421	4	8	5056	8
39	370	9	3	4449	3	40	390	6	8	4686	8	41	410	10	3	4930	3	42	431	8	0	5180	0
40	380	3	4	4563	4	41	400	3	10	4803	10	42	420	10	6	5050	6	43	441	11	4	5303	4
41	389	9	5	4677	5	42	410	1	0	4920	0	43	430	10	9	5170	9	44	452	2	8	5426	8
42	399	3	6	4791	6	43	419	10	2	5038	2	44	440	11	0	5291	0	45	462	6	0	5550	0
43	408	9	7	4905	7	44	429	7	4	5155	4	45	450	11	3	5411	3	46	472	9	4	5673	4
44	418	3	8	5019	8	45	439	4	6	5272	6	46	460	11	6	5531	6	47	483	0	8	5796	8
45	427	9	9	5133	9	46	449	1	8	5389	8	47	470	11	9	5651	9	48	493	4	0	5920	0
46	437	3	10	5247	10	47	458	10	10	5506	10	48	481	0	0	5772	0	49	503	7	4	6043	4
47	446	9	11	5361	11	48	468	8	0	5624	0	49	491	0	3	5892	3	50	513	10	8	6166	8
48	456	4	0	5476	0	49	478	5	2	5741	2	50	501	0	6	6012	6						
49	465	10	1	5590	1	50	488	2	4	5858	4												
50	475	4	2	5704	2																		

41		42		43		44	
Cubic ft. in. pt.	Superfi. ft. in.	Cubic ft. in. pt.	Superfi. ft. in.	Cubic ft. in. pt.	Superfi. ft. in.	Cubic ft. in. pt.	Superfi. ft. in.
41 431 11 1	5183 1	42 453 3 0	5439 0	43 475 1 1	5701 1	44 497 5 4	5969 4
42 442 5 6	5309 6	43 464 0 6	5568 6	44 486 1 8	5833 8	45 508 9 0	6105 0
43 452 11 11	5435 11	44 474 10 0	5698 0	45 497 2 3	5966 3	46 520 0 8	6240 8
44 463 6 4	5562 4	45 485 7 6	5827 6	46 508 2 10	6098 10	47 531 4 4	6376 4
45 474 0 9	5688 9	46 496 5 0	5957 0	47 519 3 5	6231 5	48 542 8 0	6512 0
46 484 7 2	5815 2	47 507 2 6	6086 6	48 530 4 0	6364 0	49 553 11 8	6647 8
47 495 1 7	5941 7	48 518 0 0	6216 0	49 541 4 7	6496 7	50 565 3 4	6783 4
48 505 8 0	6068 0	49 528 9 6	6345 6	50 552 5 2	6629 2		
49 516 2 5	6194 5	50 539 7 0	6475 0				
50 526 8 10	6320 10						

[illegible]

42				43				44				45			
Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.
42	465	6 0	5586 0	43	487	11 2	5855 2	44	510	10 8	6130 8	45	534	4 6	6412 6
43	476	7 0	5719 0	44	499	3 4	5991 4	45	522	6 0	6270 0	46	546	3 0	6555 0
44	487	8 0	5852 0	45	510	7 6	6127 6	46	534	1 4	6409 4	47	558	1 6	6697 6
45	498	9 0	5985 0	46	521	11 8	6263 8	47	545	8 8	6548 8	48	570	6 0	6840 0
46	509	10 0	6118 0	47	533	3 10	6399 10	48	557	4 0	6688 0	49	581	10 6	6982 6
47	520	11 0	6251 0	48	544	8 0	6536 0	49	568	11 4	6827 4	50	593	9 0	7125 0
48	532	0 0	6384 0	49	556	0 2	6672 2	50	580	6 8	6966 8				
49	543	1 0	6517 0	50	567	4 4	6808 4								
50	554	2 0	6650 0												

39			40			41			42		
	Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.		Cubic ft. in. pt.	Superfi. ft. in.
39	411 11 3	4943 3	40	433 4 0	5200 0	41	455 3 3	5463 3	42	477 9 0	5733 0
40	422 6 0	5070 0	41	444 2 0	5330 0	42	466 4 6	5596 6	43	489 1 6	5869 6
41	433 0 9	5196 9	42	455 0 0	5460 0	43	477 5 9	5729 9	44	500 6 0	6006 0
42	443 7 6	5323 6	43	465 10 0	5590 0	44	488 7 0	5863 0	45	511 10 6	6142 6
43	454 2 3	5450 3	44	476 8 0	5720 0	45	499 8 3	5996 3	46	523 3 0	6279 0
44	464 9 0	5577 0	45	487 6 0	5850 0	46	510 9 6	6129 6	47	534 7 6	6415 6
45	475 3 9	5703 9	46	498 4 0	5980 0	47	521 10 9	6262 9	48	546 0 0	6552 0
46	485 10 6	5830 6	47	509 2 0	6110 0	48	533 0 0	6396 0	49	557 4 6	6688 6
47	496 5 3	5957 3	48	520 0 0	6240 0	49	544 1 3	6529 3	50	568 9 0	6825 0
48	507 0 0	6084 0	49	530 10 0	6370 0	50	555 2 6	6662 6			
49	517 6 9	6210 9	50	541 8 0	6500 0						
50	528 1 6	6337 6									

43

	Cubic ft. in. pt.	Superf. ft. in.
43	500 9 3	6009 3
44	512 5 0	6149 0
45	524 0 9	6288 9
46	535 8 6	6428 6
47	547 4 3	6568 3
48	559 0 0	6708 0
49	570 7 9	6847 9
50	582 3 6	6987 6

44

	Cubic ft. in. pt.	Superf. ft. in.
44	524 4 0	6292 0
45	536 3 0	6435 0
46	548 2 0	6578 0
47	560 1 0	6721 0
48	572 0 0	6860 0
49	583 11 0	7007 0
50	595 10 0	7150 0

45

	Cubic ft. in. pt.	Superf. ft. in.
45	548 5 3	6581 3
46	560 7 6	6727 6
47	572 9 9	6873 9
48	585 1 0	7020 0
49	597 2 3	7166 3
50	609 4 6	7312 6

46

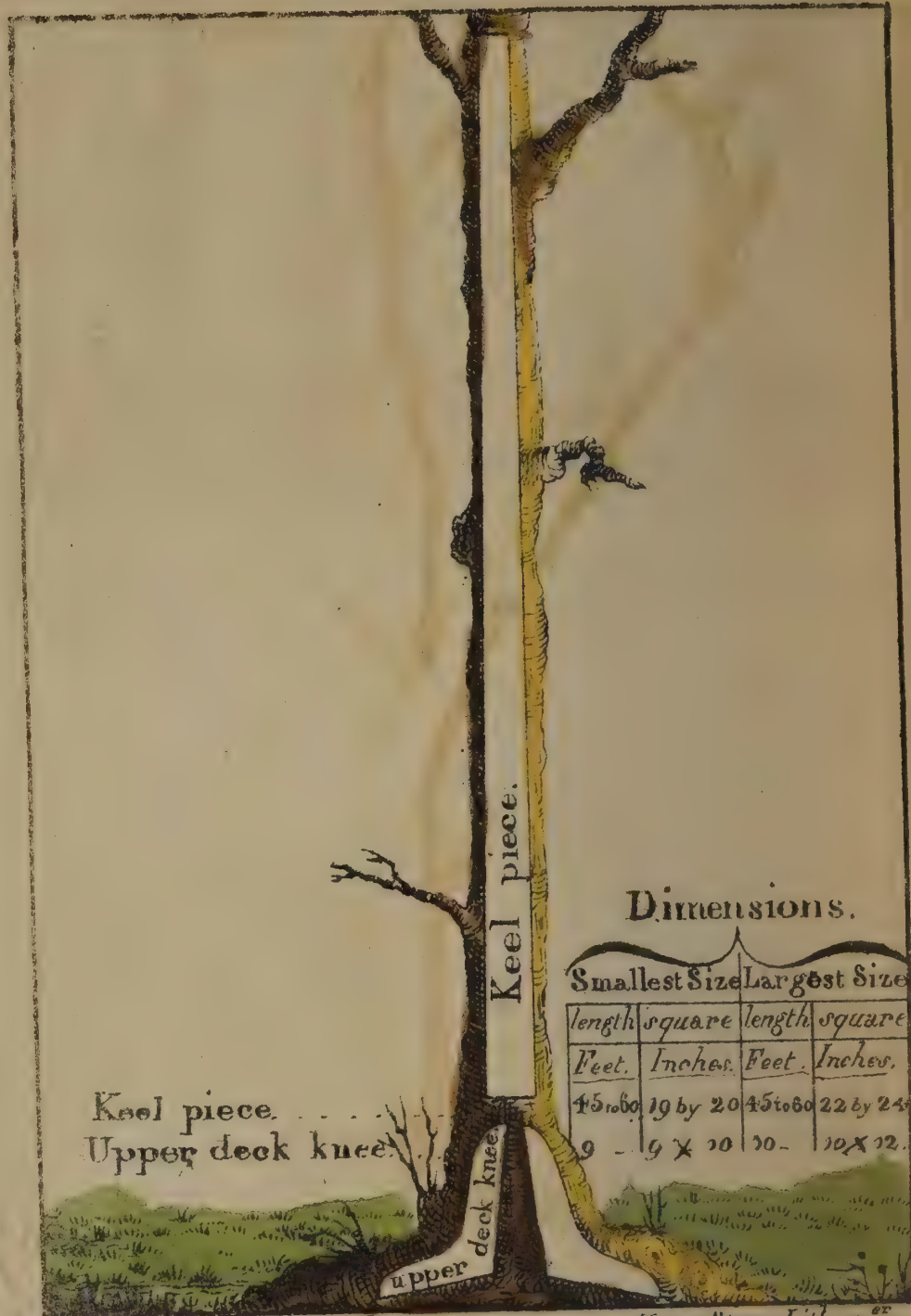
	Cubic ft. in. pt.	Superf. ft. in.
46	573 1 0	6877 0
47	585 6 6	7026 6
48	598 0 0	7176 0
49	610 5 6	7323 6
50	622 11 0	7475 0

40				41				42				43			
Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.	Cubic ft. in. pt.			Superfi. ft. in.
40	444	5 4	5333 4	41	466	11 4	5603 4	42	490	0 0	5880 0	43	513	7 4	6163 4
41	455	6 8	5466 8	42	478	4 0	5740 0	43	501	8 0	6020 0	44	525	6 8	6306 8
42	466	8 0	5600 0	43	489	8 8	5876 8	44	513	4 0	6160 0	45	537	6 0	6450 0
43	477	9 4	5733 4	44	501	1 4	6013 4	45	525	0 0	6300 0	46	549	5 4	6593 4
44	488	10 8	5866 8	45	512	6 0	6150 0	46	536	8 0	6440 0	47	561	4 8	6736 8
45	500	0 0	6000 0	46	523	10 8	6286 8	47	548	4 0	6580 0	48	573	4 0	6880 0
46	511	1 4	6133 4	47	535	3 4	6423 4	48	560	0 0	6720 0	49	585	3 4	7023 4
47	522	2 8	6266 8	48	546	8 0	6560 0	49	571	8 0	6860 0	50	597	2 8	7166 8
48	533	4 0	6400 0	49	558	0 8	6696 8	50	583	4 0	7000 0				
49	544	5 4	6533 4	50	569	5 4	6833 4								
50	555	6 8	6666 8												

44				45				46				47			
Cubic ft. in. pt.				Superfi. ft. in.				Cubic ft. in.pt.				Superfi. ft. in.			
44	537	9 4	6453 4	45	562	6 0	6750 0	46	587	9 4	7053 4	47	613	7 4	7363 4
45	550	0 0	6600 0	46	575	0 0	6900 0	47	600	6 8	7206 8	48	626	8 0	7520 0
46	562	2 8	6746 8	47	587	6 0	7050 0	48	613	4 0	7360 0	49	639	8 8	7676 8
47	574	5 4	6893 4	48	600	0 0	7200 0	49	626	1 4	7513 4	50	652	9 4	7833 4
48	586	8 0	7040 0	49	612	6 0	7350 0	50	638	10 8	7666 8				
49	598	10 8	7186 8	50	625	0 0	7500 0								
50	611	1 4	7333 4												





Henry Stone Lithog^{er}



Dimensions.

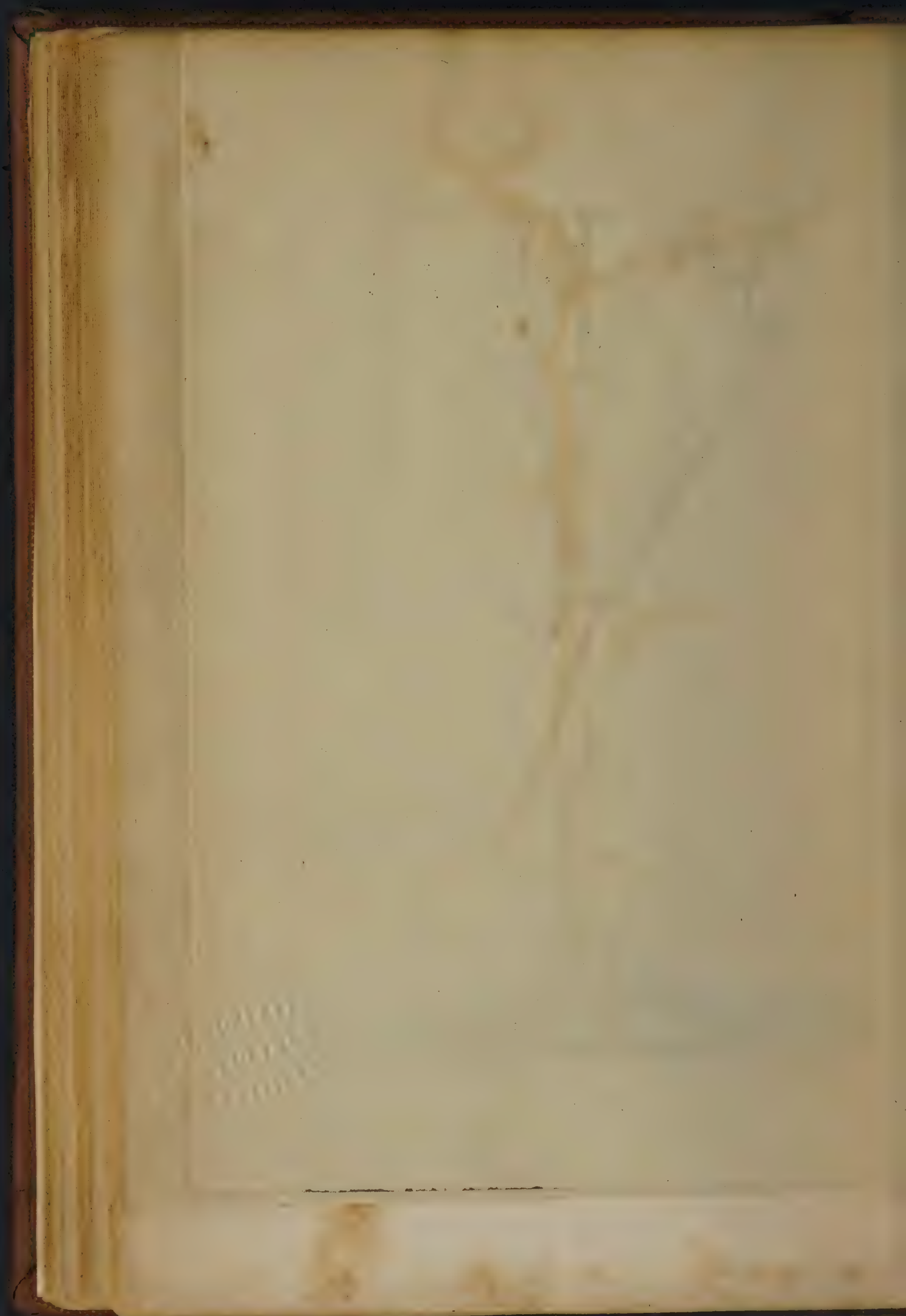
Smallest Size		Largest Size	
length	square.	length	square.
Feet.	Inches.	Feet.	Inches.
18.	19 by 20	22.	22 by 24
16.	10 - 12	22.	12 - 12.
14.	12 - 13	16.	13 - 14.

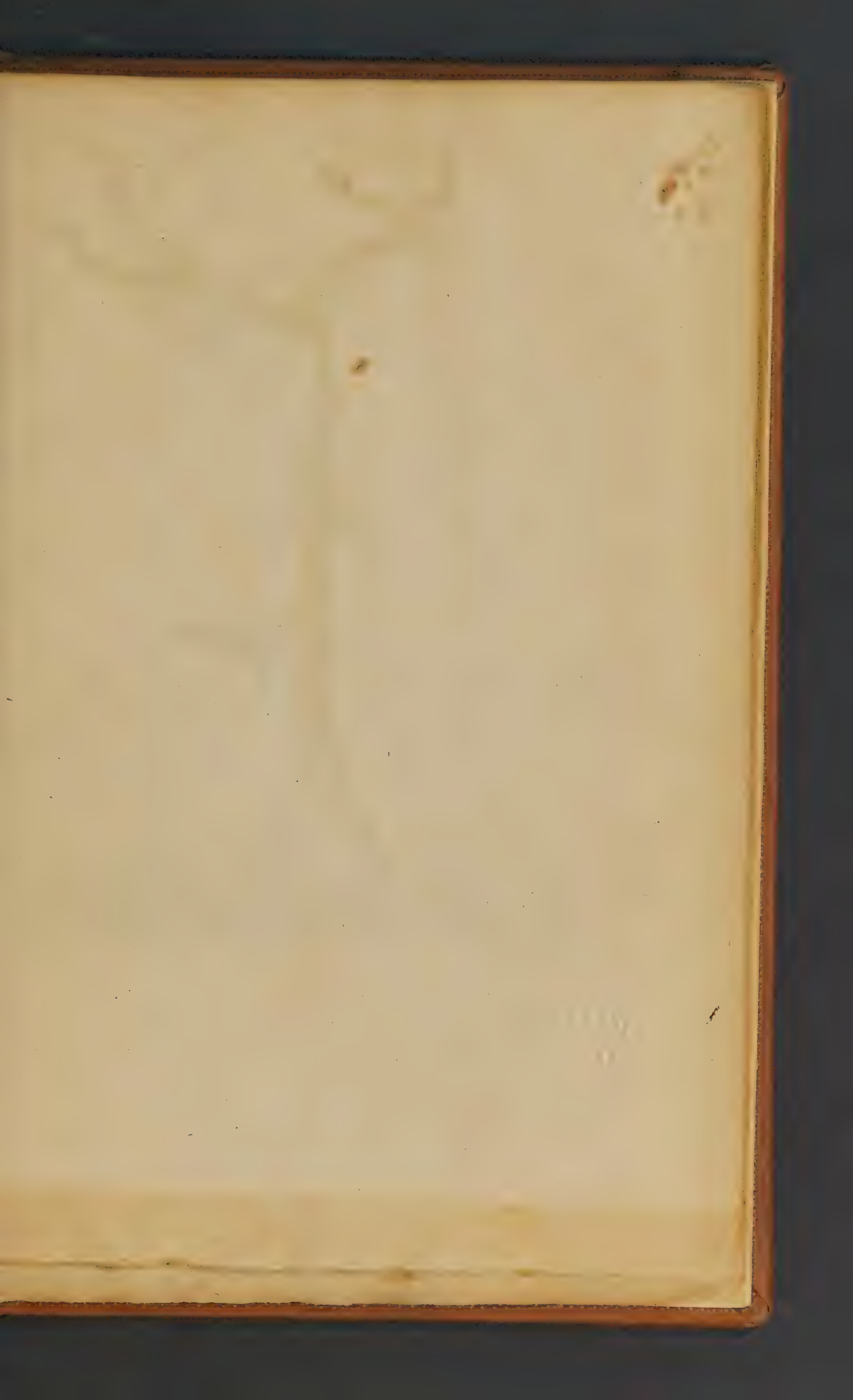
Lower stem piece

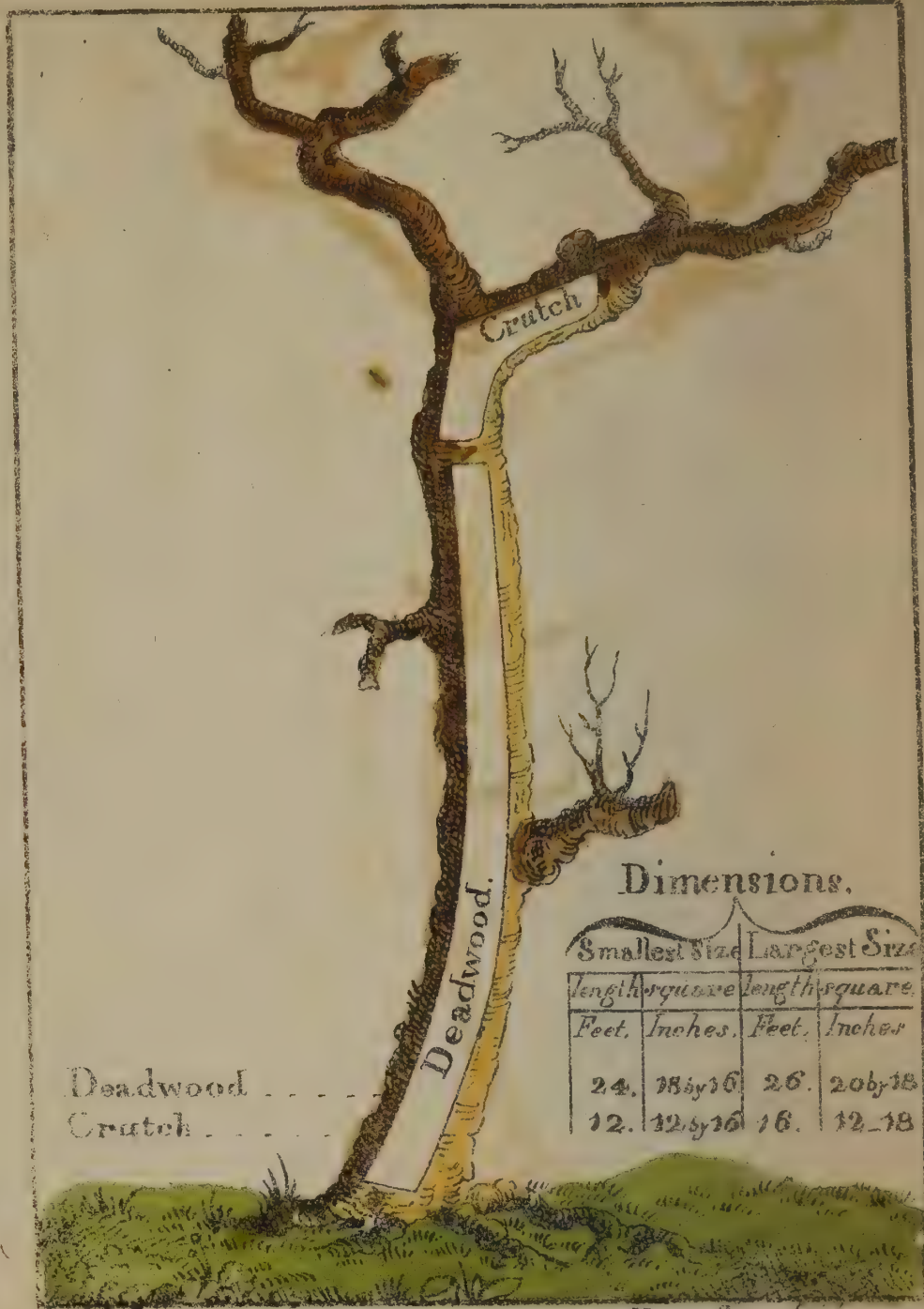
Top timber

Futtock

Henry Stone Enthos⁶⁰







Deadwood
Crutch

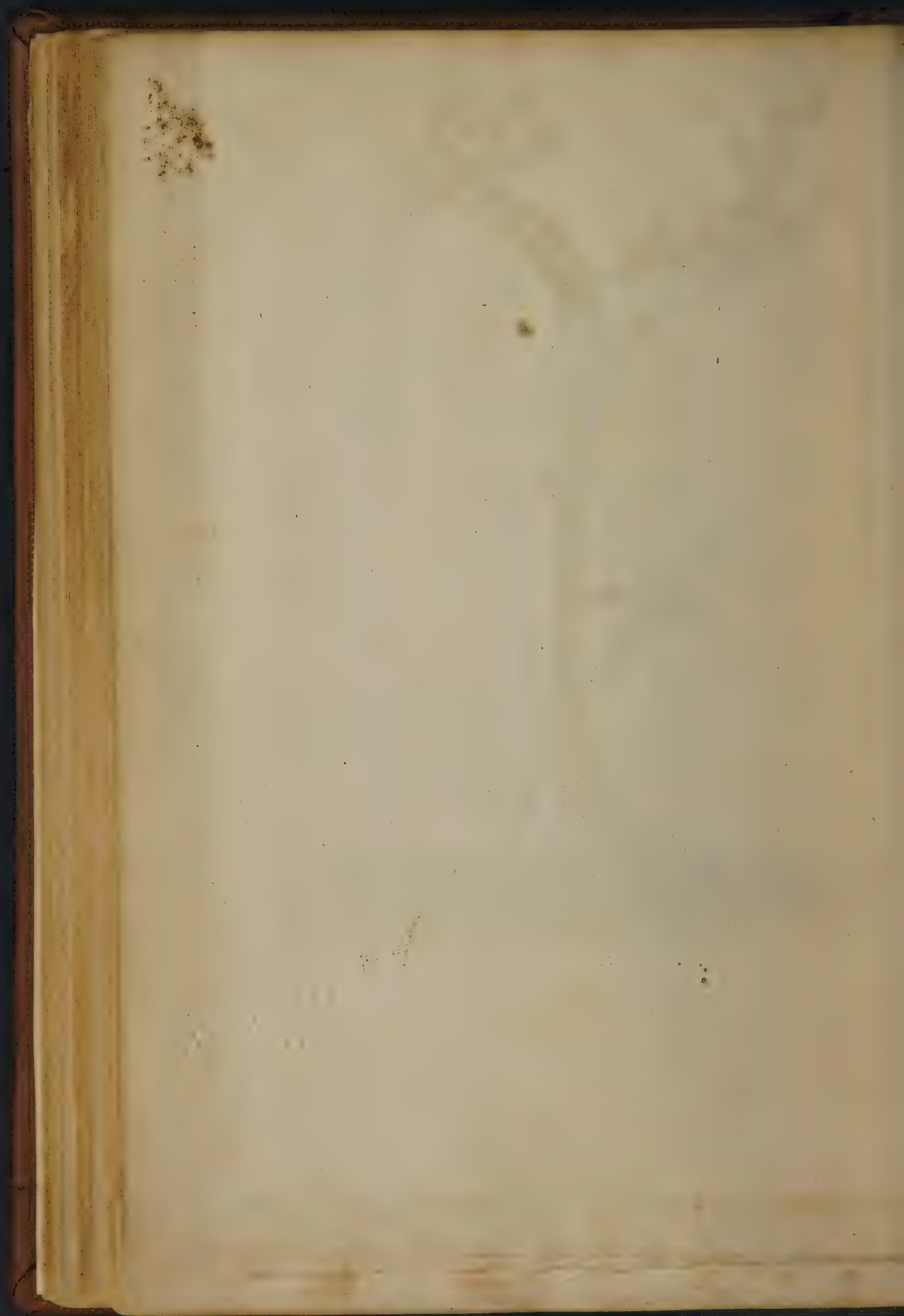
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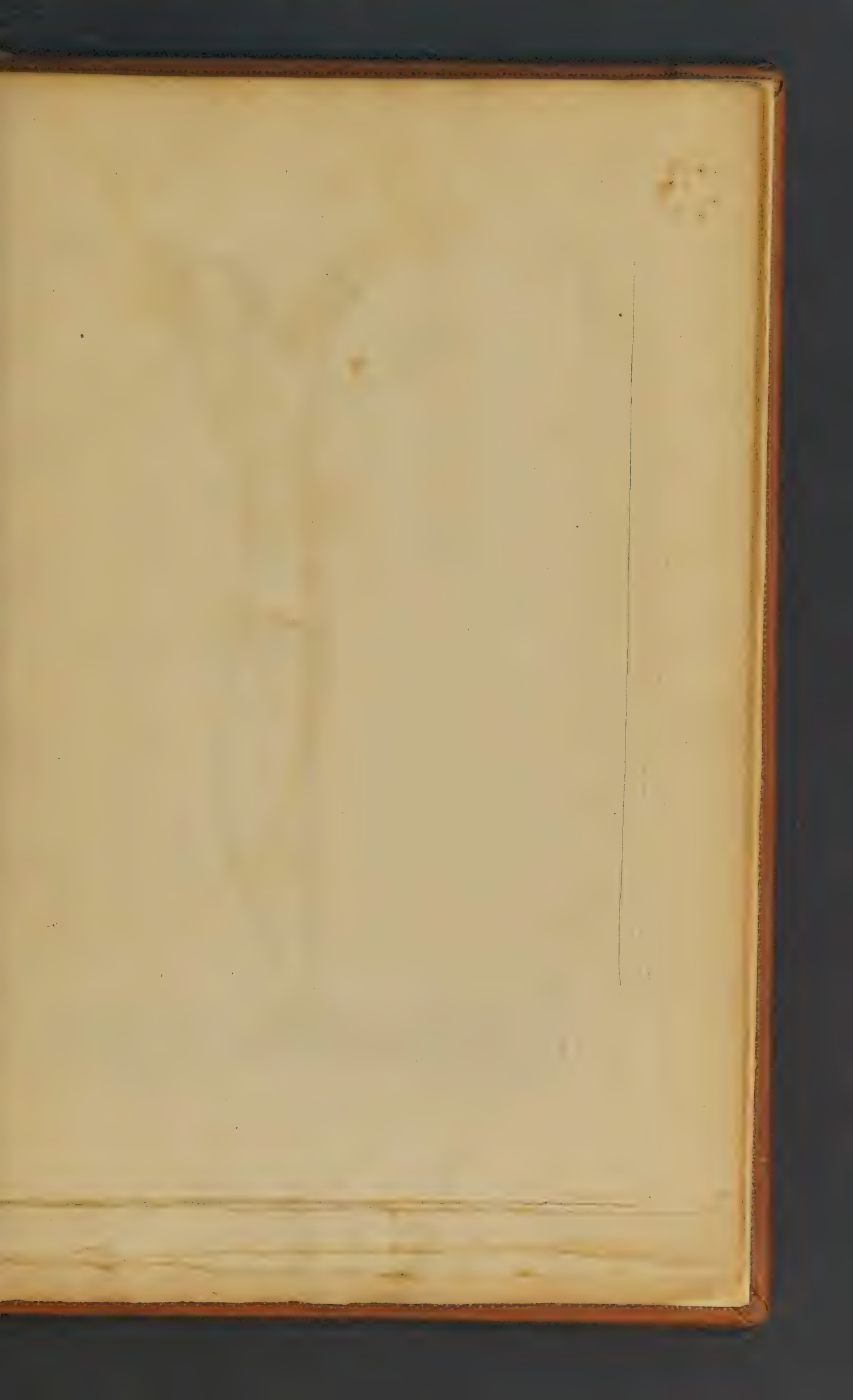
Smallest Size		Largest Size	
length	square	length	square
Feet.	Inches.	Feet.	Inches.
24.	18 by 16	26.	20 by 18
12.	12 by 16	16.	12-18

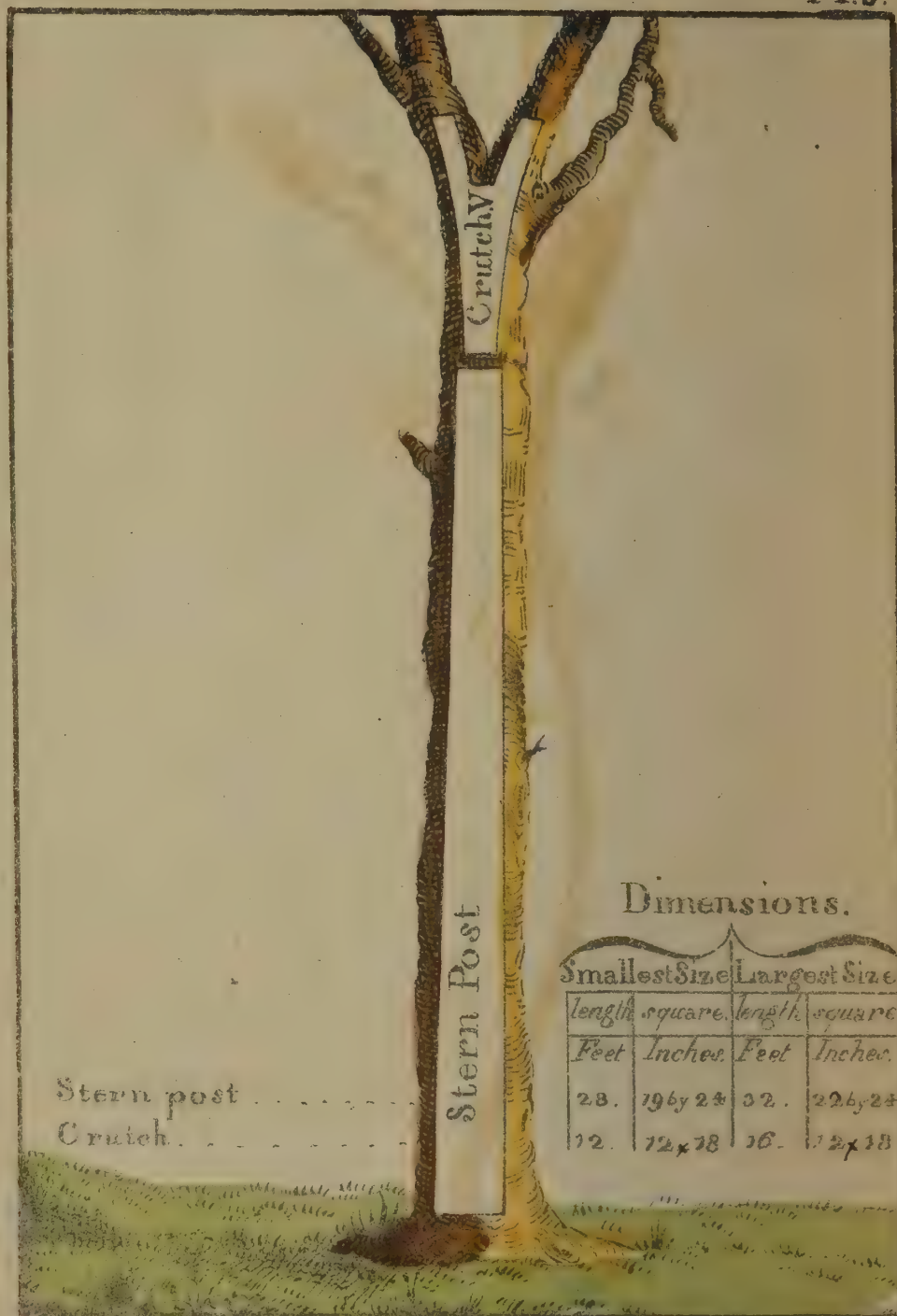
Henry Stone Lithog.



Henry Stone Lithographer







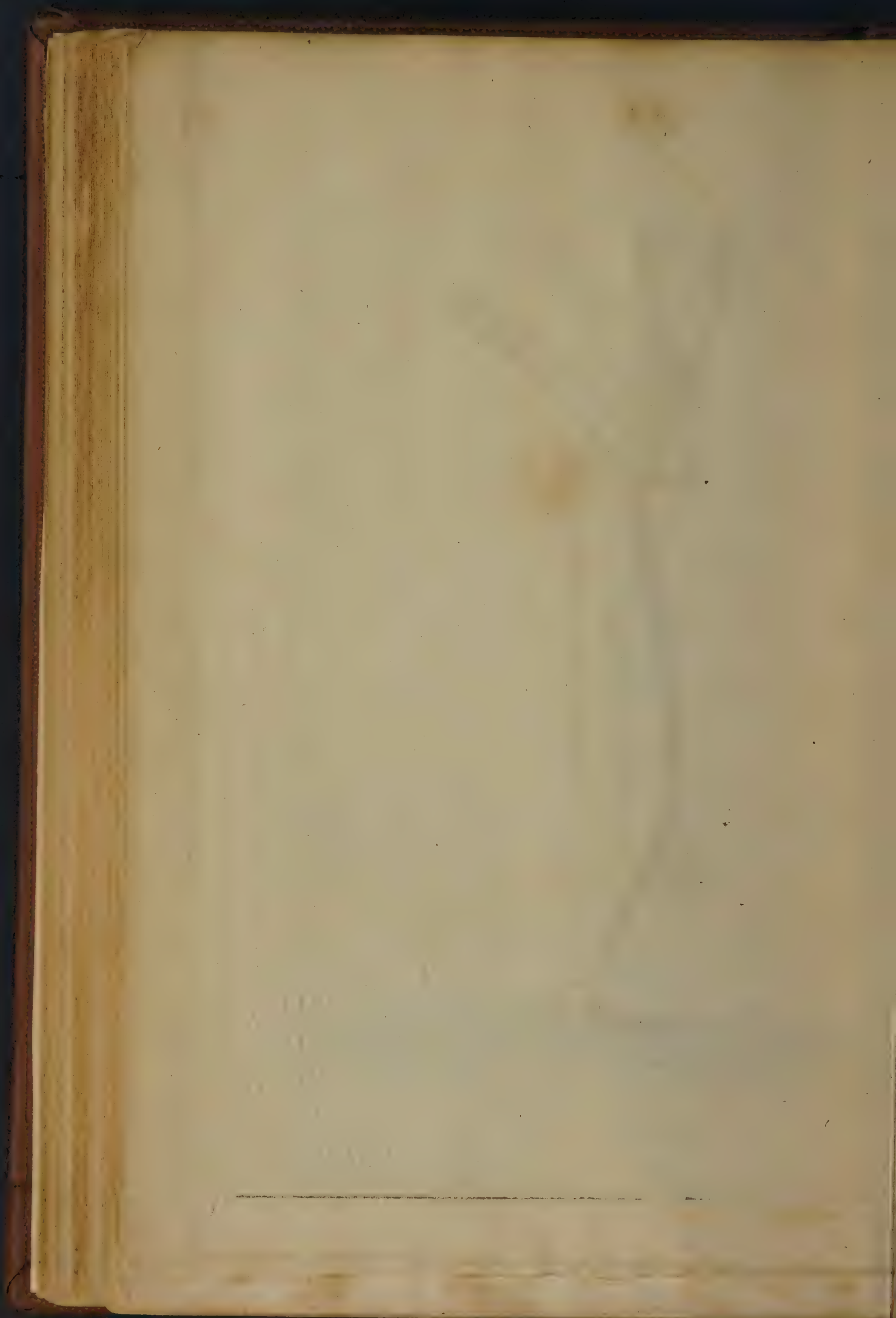
Henry Stone Lithog^{er}
 V. This piece is preferable when made with two futlocks.

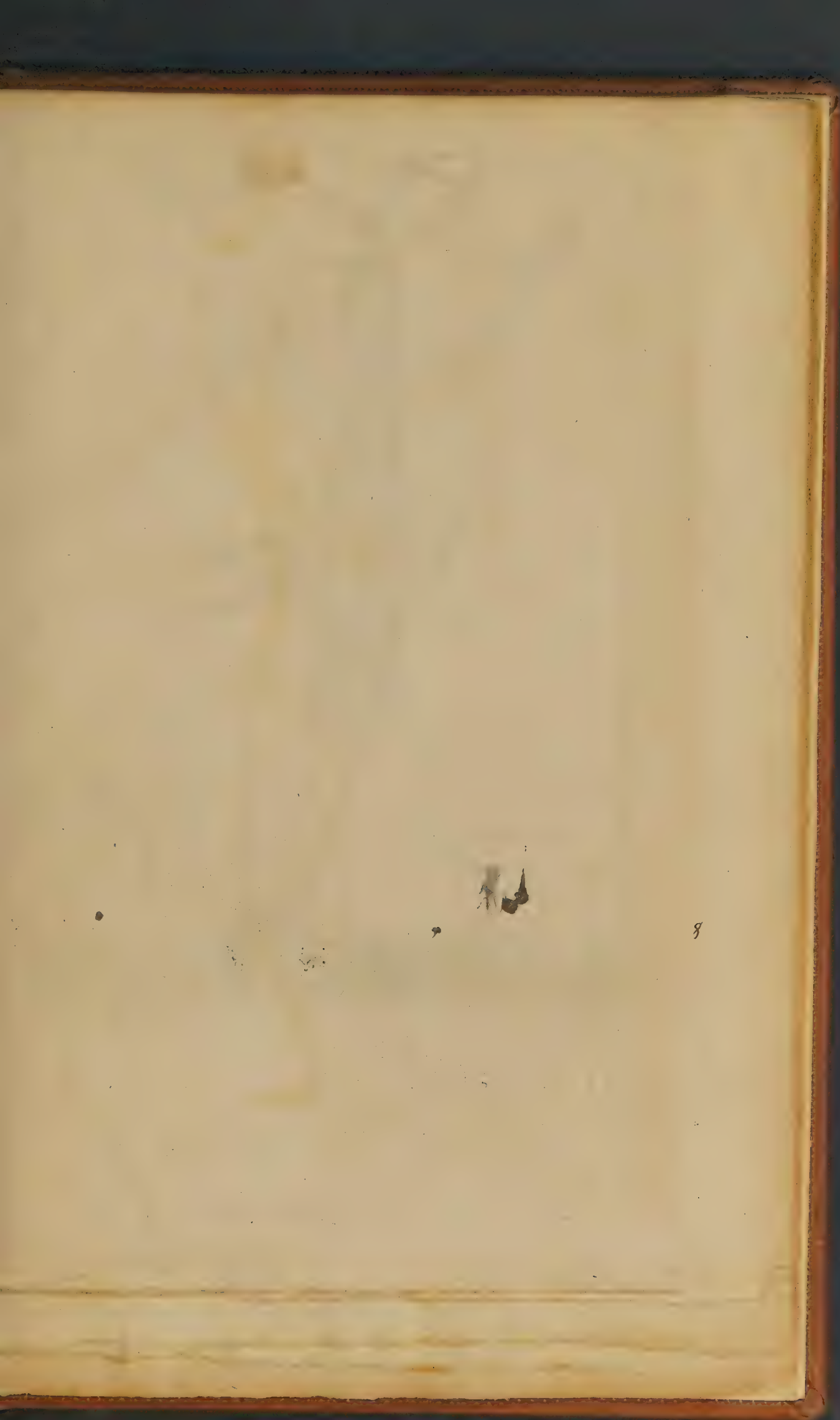


Dimensions.

Smallest Size		Largest Size	
length	square	length	square
Feet	Inches	Feet	Inches
11.	13 by 14	16.	14 by 15.
15.	11 x 11.	16.	12 x 12.
8.	8 x 8.	12.	9 x 10.

Henry Stone, Lithograph







Dimensions.

Smallest Size		Largest Size	
length	square.	length	square.
Feet.	Inches.	Feet.	Inches.
22.	12 by 14	24.	12 by 15
10.	10 - 10	12.	10 - 11.

{ 1st Futtock for Corvette form
to run up to wales
Stantion. }

Henry Stone Lithographer



Dimensions.

Smallest Size		Largest Size	
length	square	length	square
Feet	Inches	Feet	Inches
30.	19 by 22.	40.	22 by 24.
14.	12-14.	16.	14-18.
15.	12-16.	18.	14-18.

Wing Transom

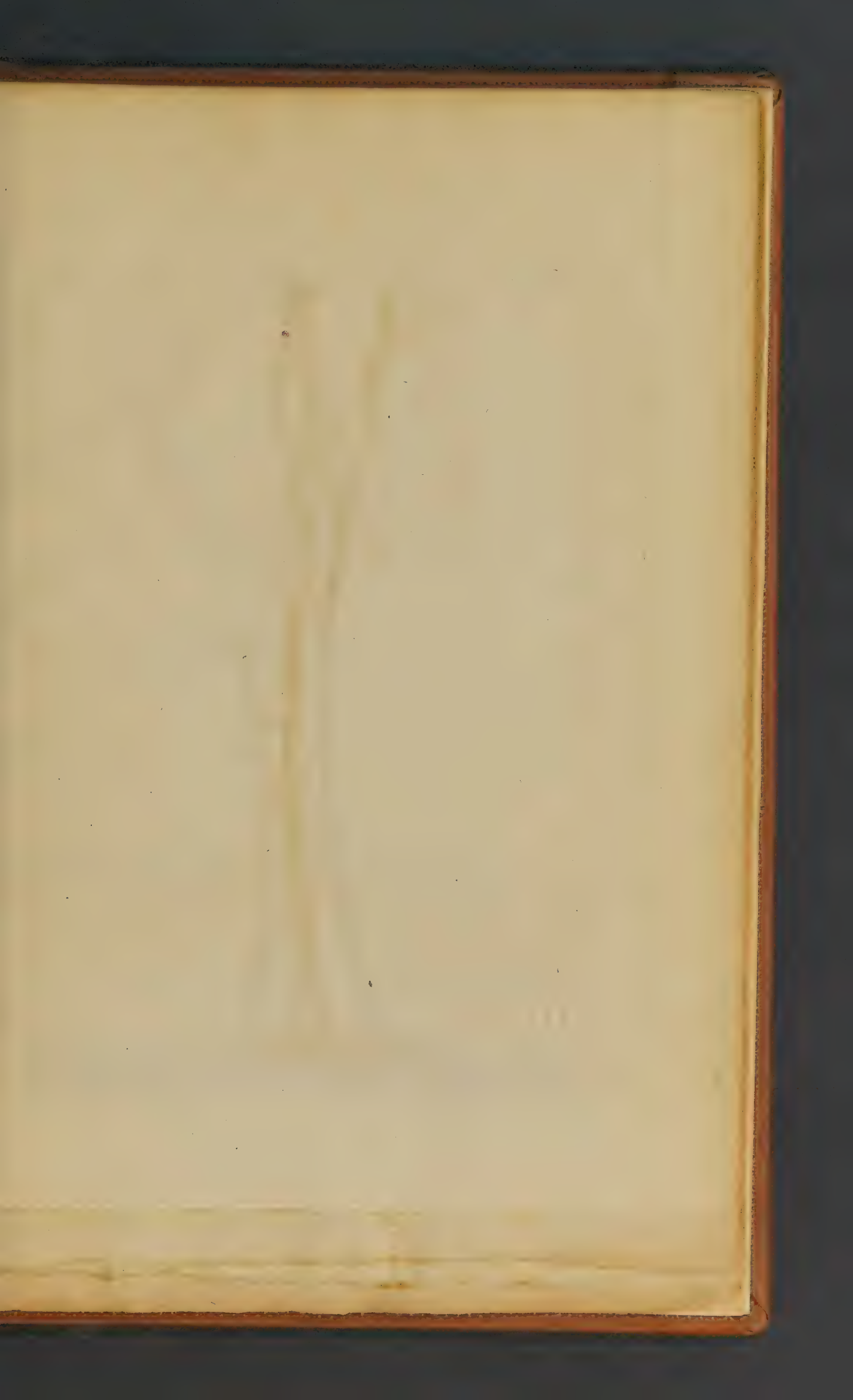
Transom Knee

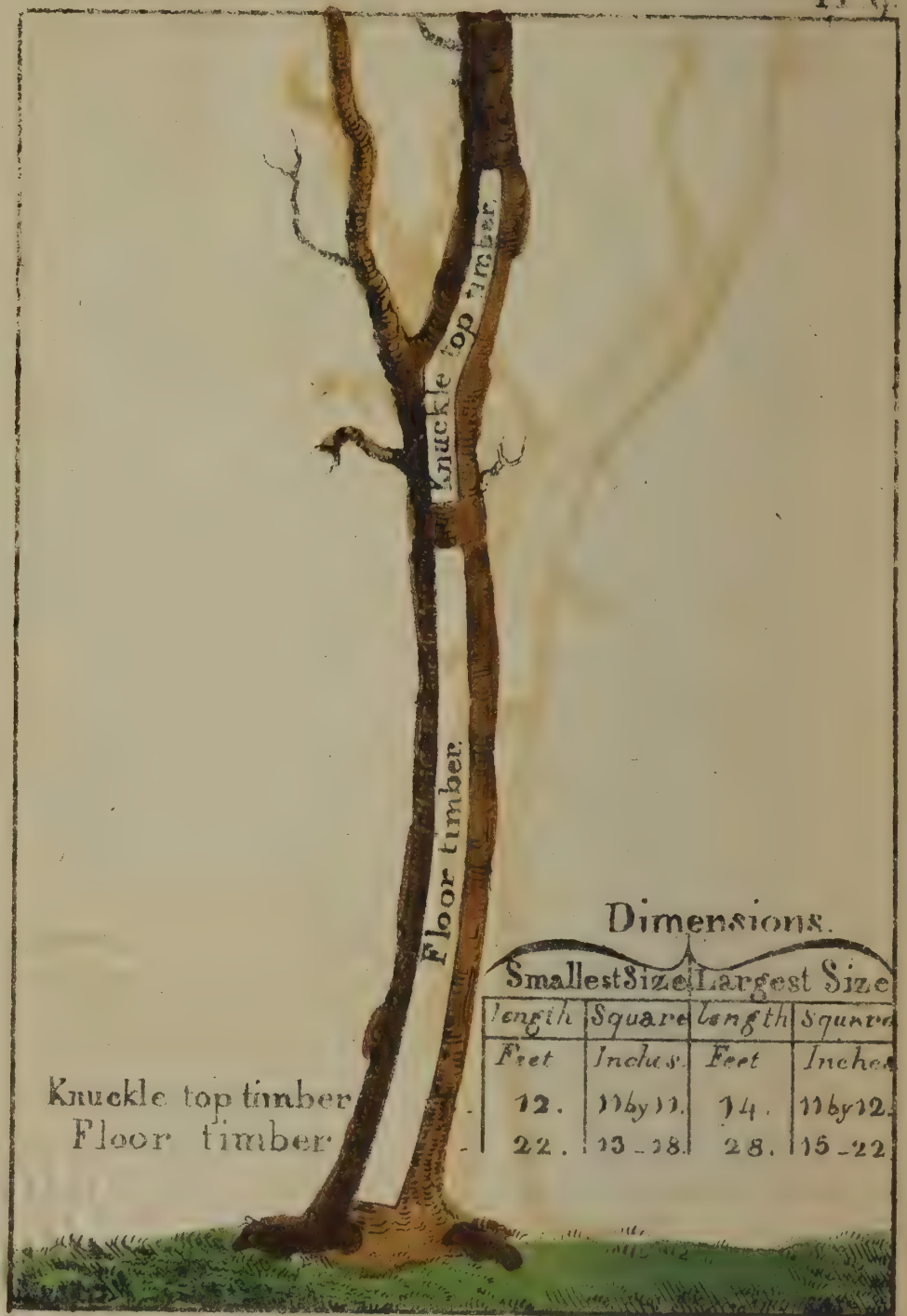
Cant first futtock

14 x 18

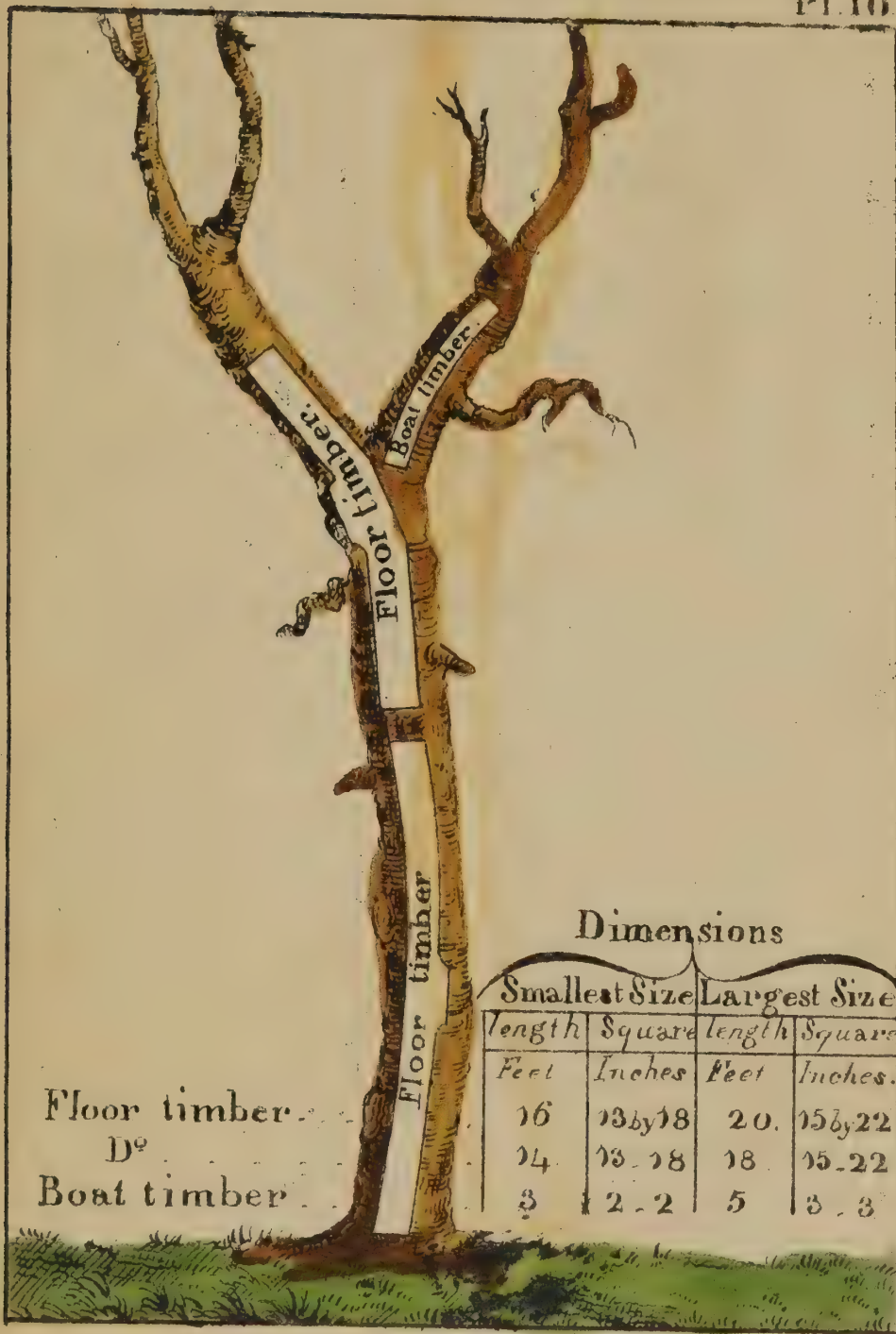
Henry Stone & Co.







Henry Stone Lithog^r

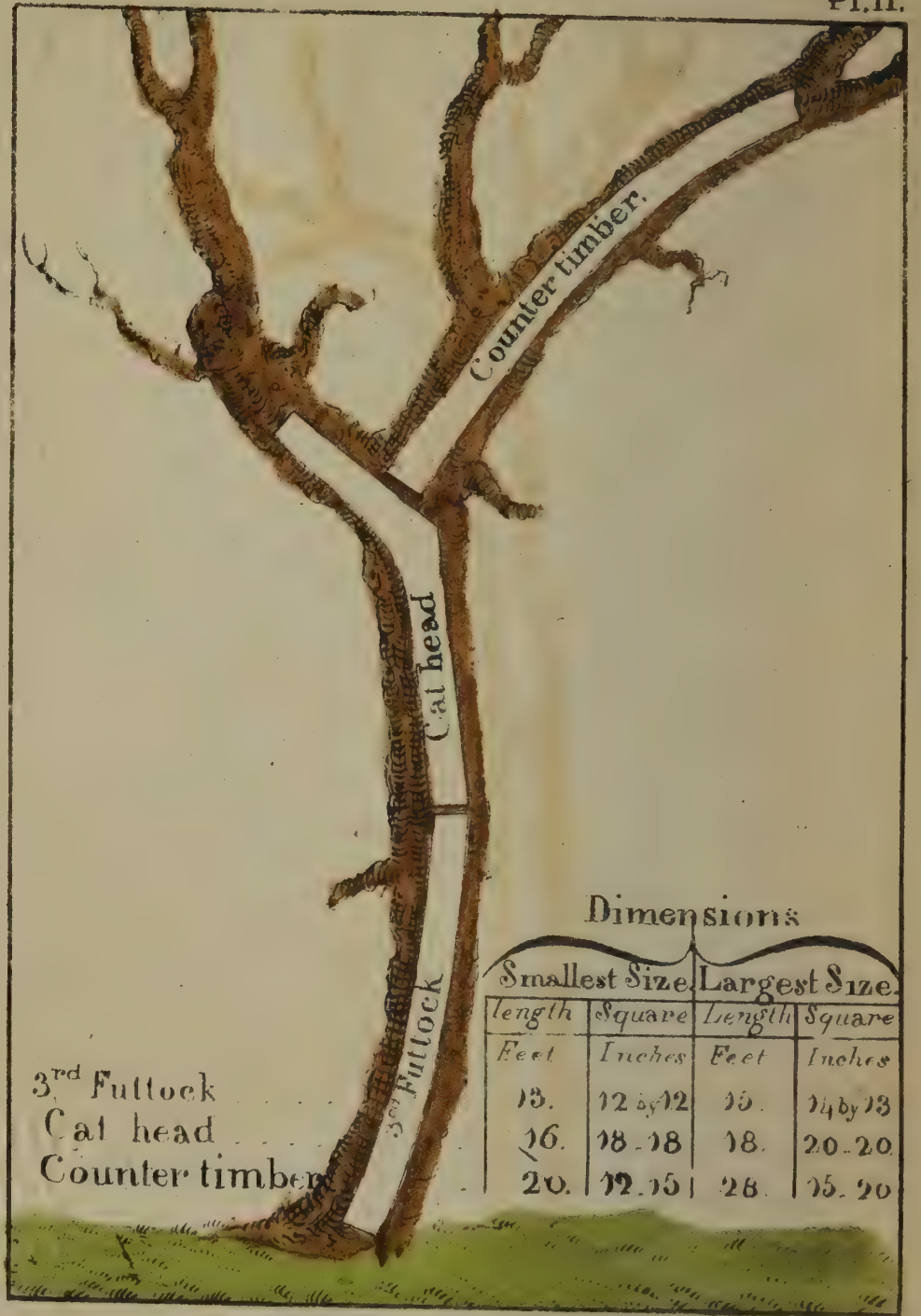


Henry Stone Lithog

Wood in
1802
100







3rd Futtock
Cat head
Counter timber

Dimensions			
Smallest Size		Largest Size	
length	Square	length	Square
Feet	Inches	Feet	Inches
13.	12 by 12	15.	14 by 13
16.	18. 18	18.	20. 20
20.	22. 15	28.	25. 20

Henry Stone Lithog^{er}



Henry Stone del.



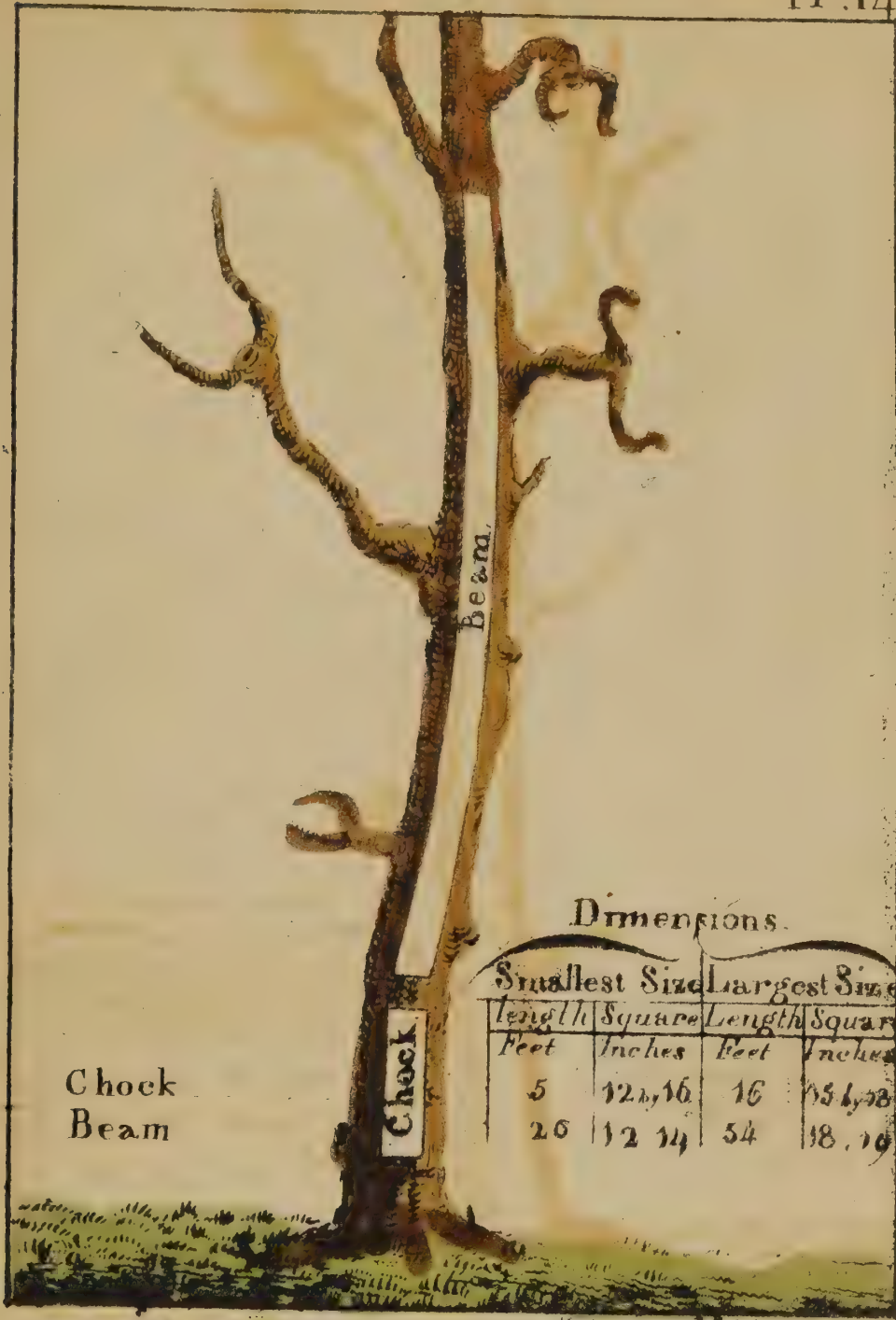




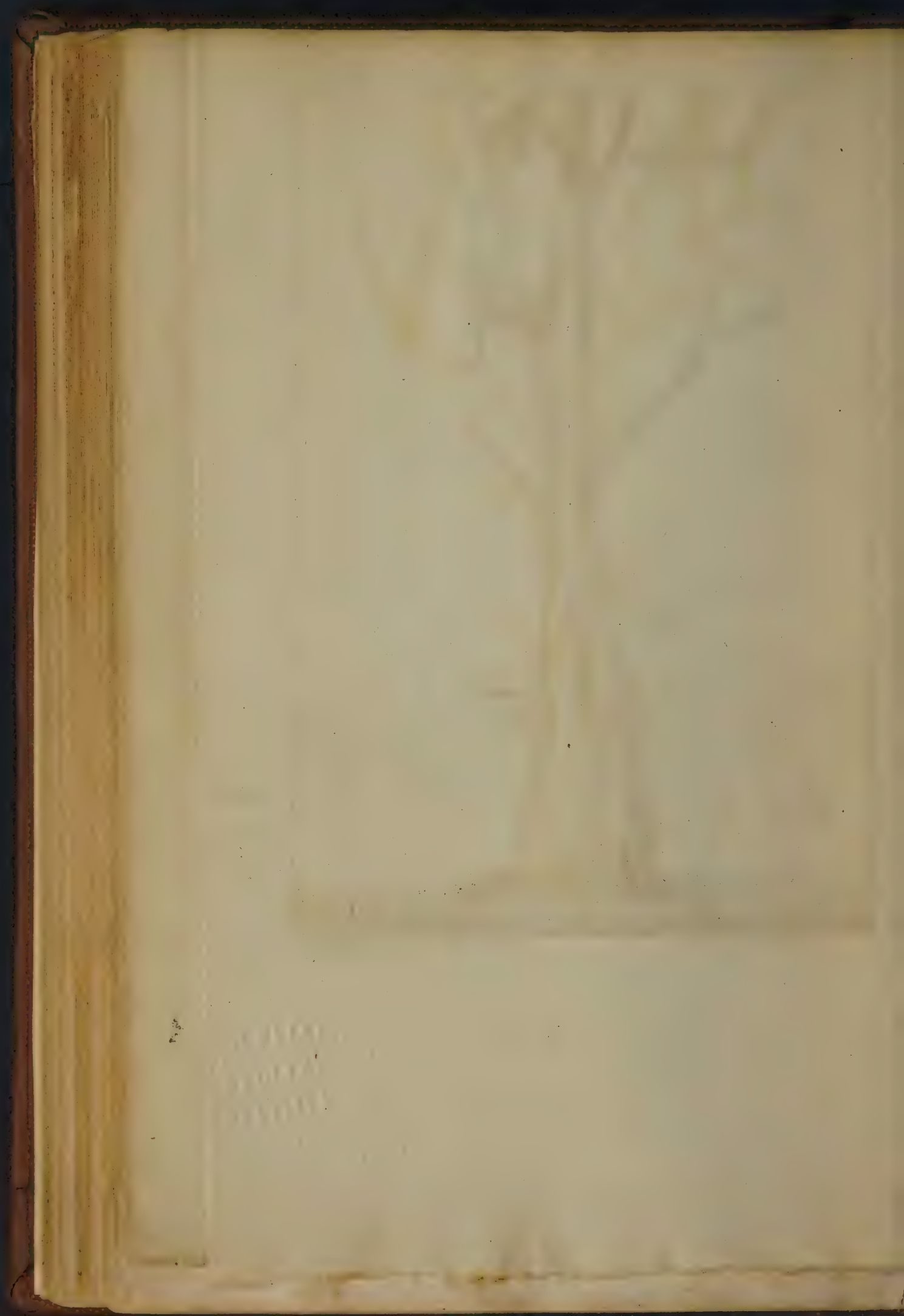
Half beam
Futtock
Knee

Dimensions			
Smallest Size		Largest Size	
Length	Square	Length	Square
Feet	Inches	Feet	Inches
24	18 by 18	29	19 by 19
12	12 by 13	18	14 15
7	6 9	9	8 9

Henry Stone Lithog.



Henry Stone Lithographer







gn 14x18x

Trussel tree.
Third Fullock
Floor timber.

Henry Stone Litho 1858



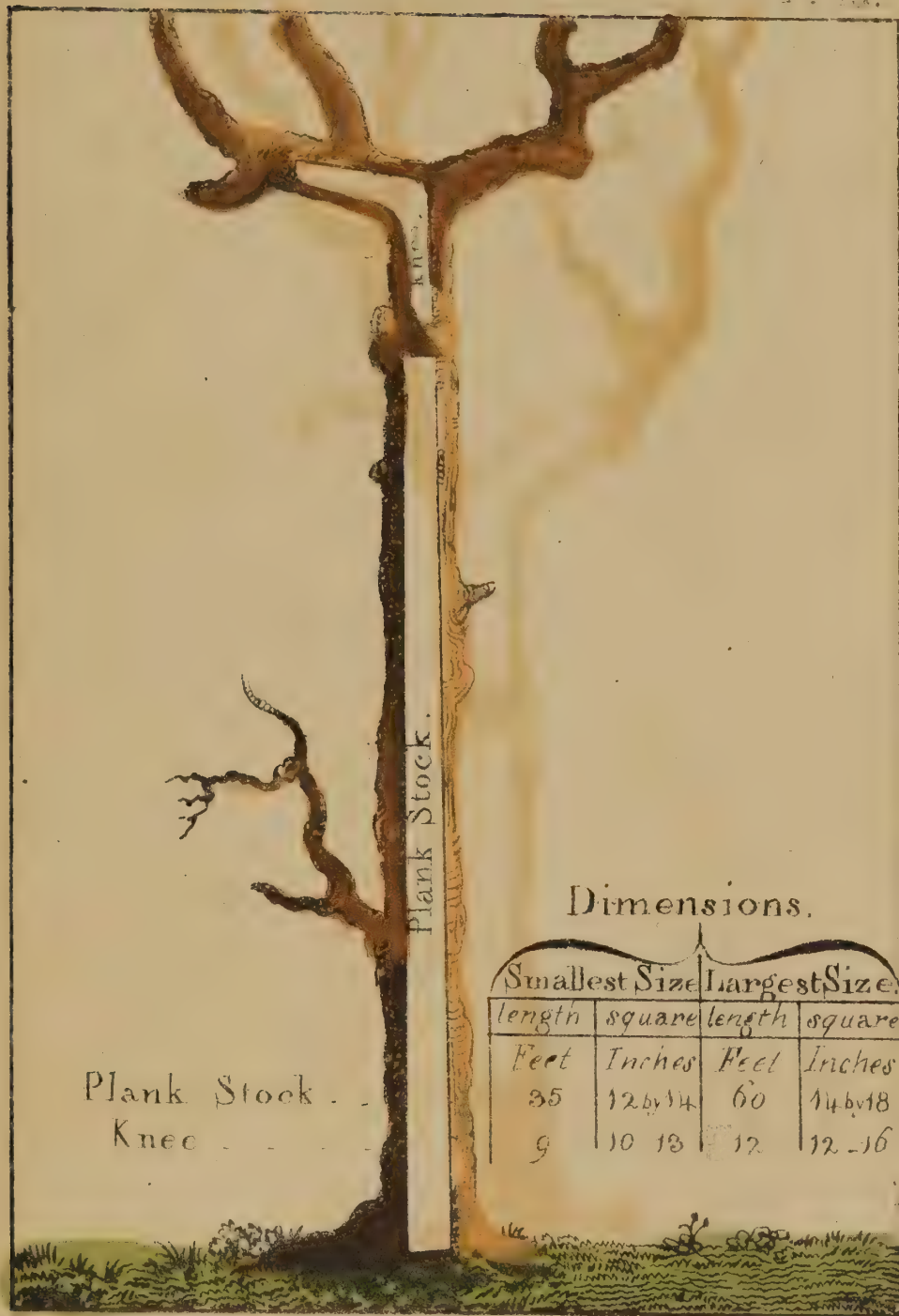
Henry Stone Engraver







Henry Stone Lithographer



Dimensions.

Smallest Size		Largest Size	
length	square	length	square
Feet	Inches	Feet	Inches
35	12 by 14	60	14 by 18
9	10 13	12	12 16

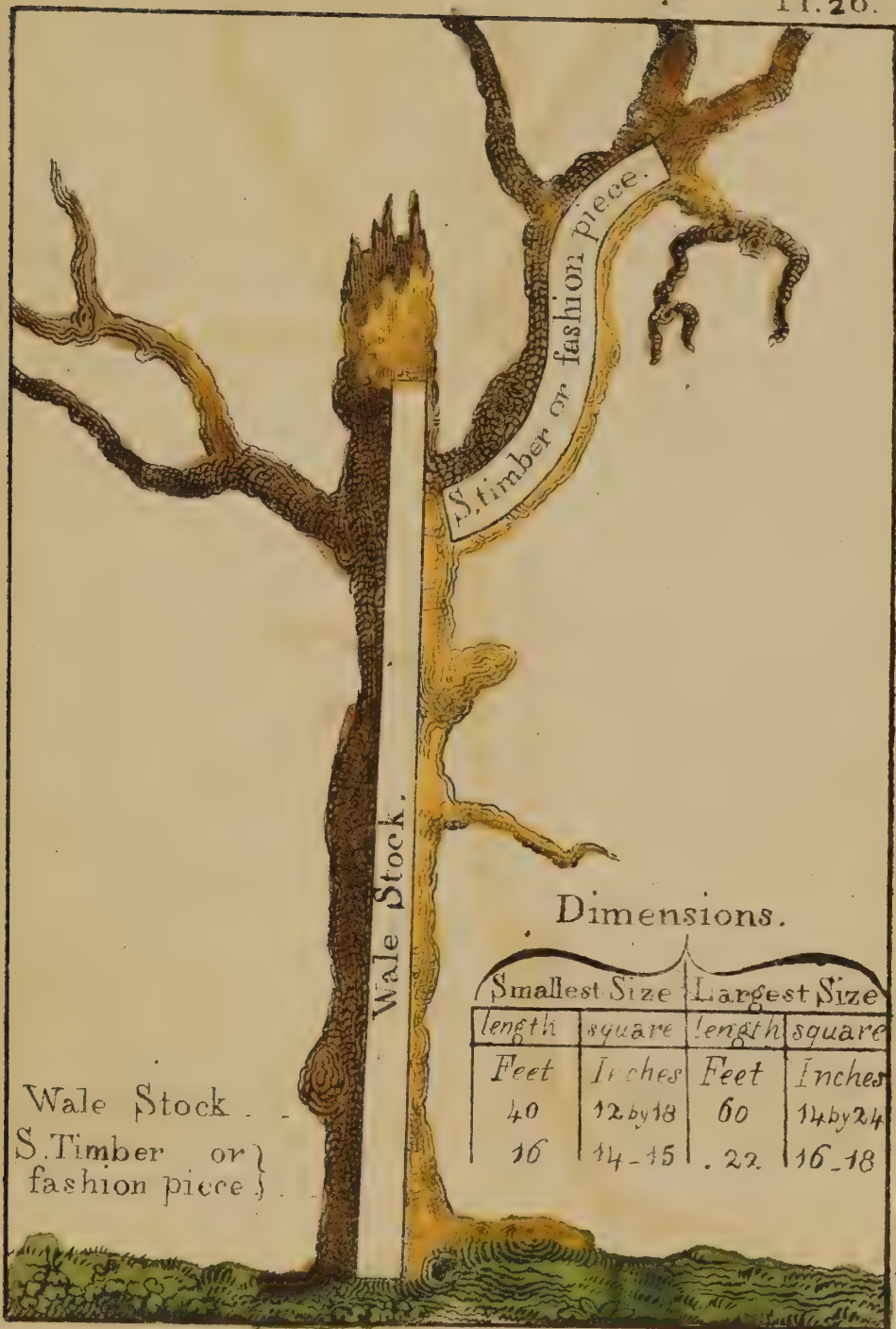
Plank Stock . . .

Knee

Henry Stone Lithog^r







Henry Stone Lithog^{er}







Harry Stone Lithog^{er}



Dimensions.

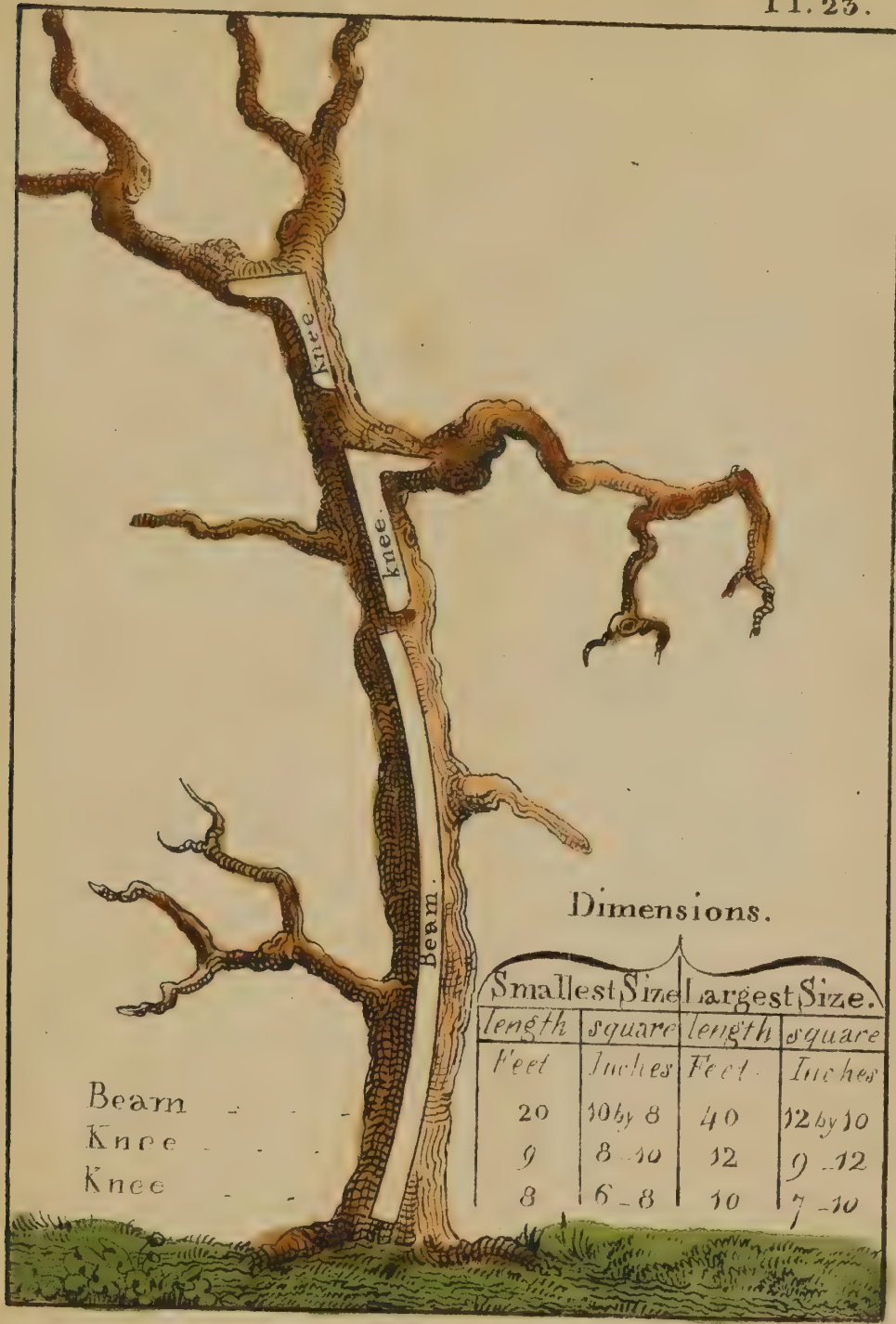
Smallest Size.		Largest Size.	
length	square	length	square
Feet	Inches	Feet	Inches
28	10 6, 10	40	16 6, 16
10	10 - 16	14	10 - 8

Beam
V. Crutch

How to make a crutch

V. This piece is preferable when made with two buttocks



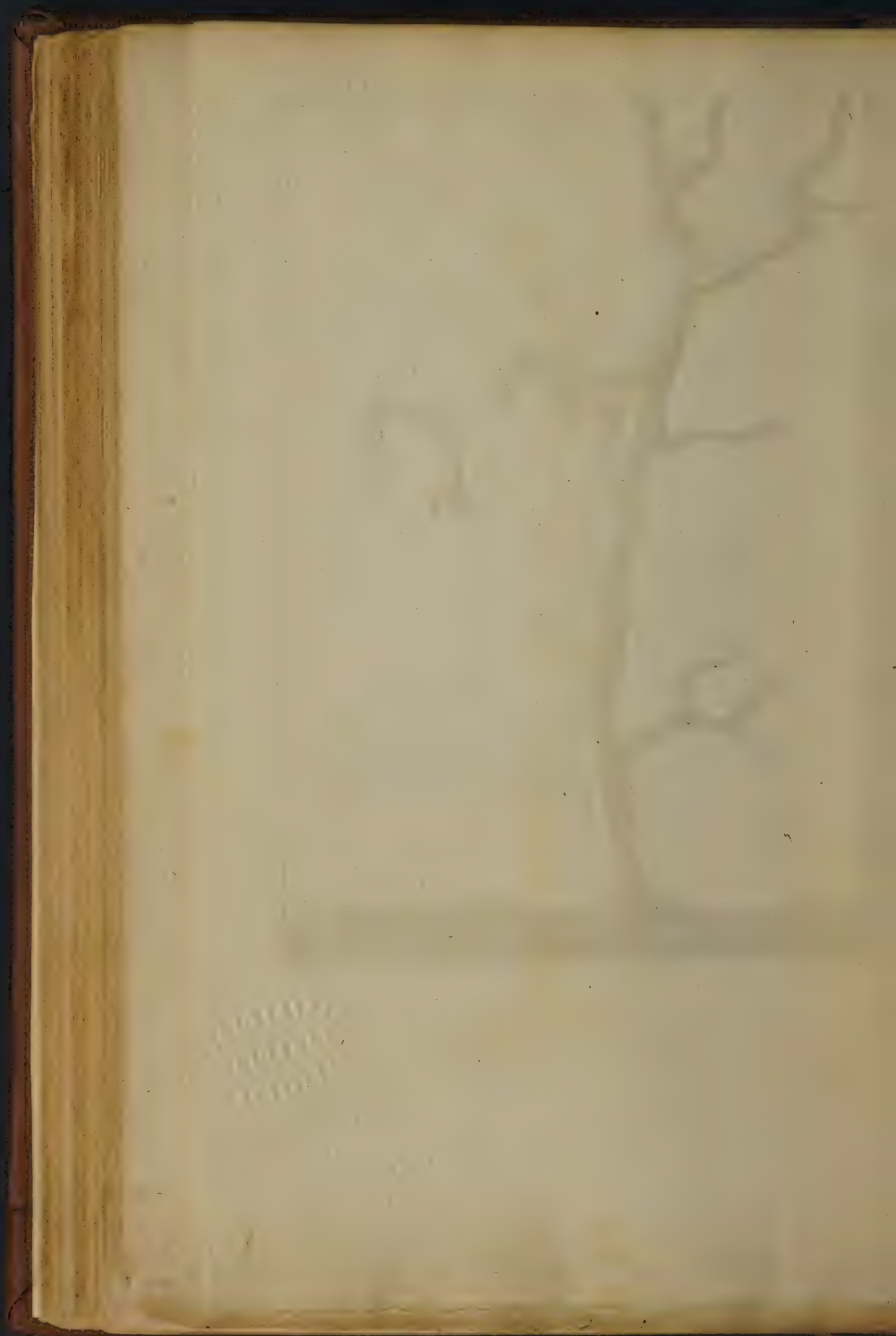


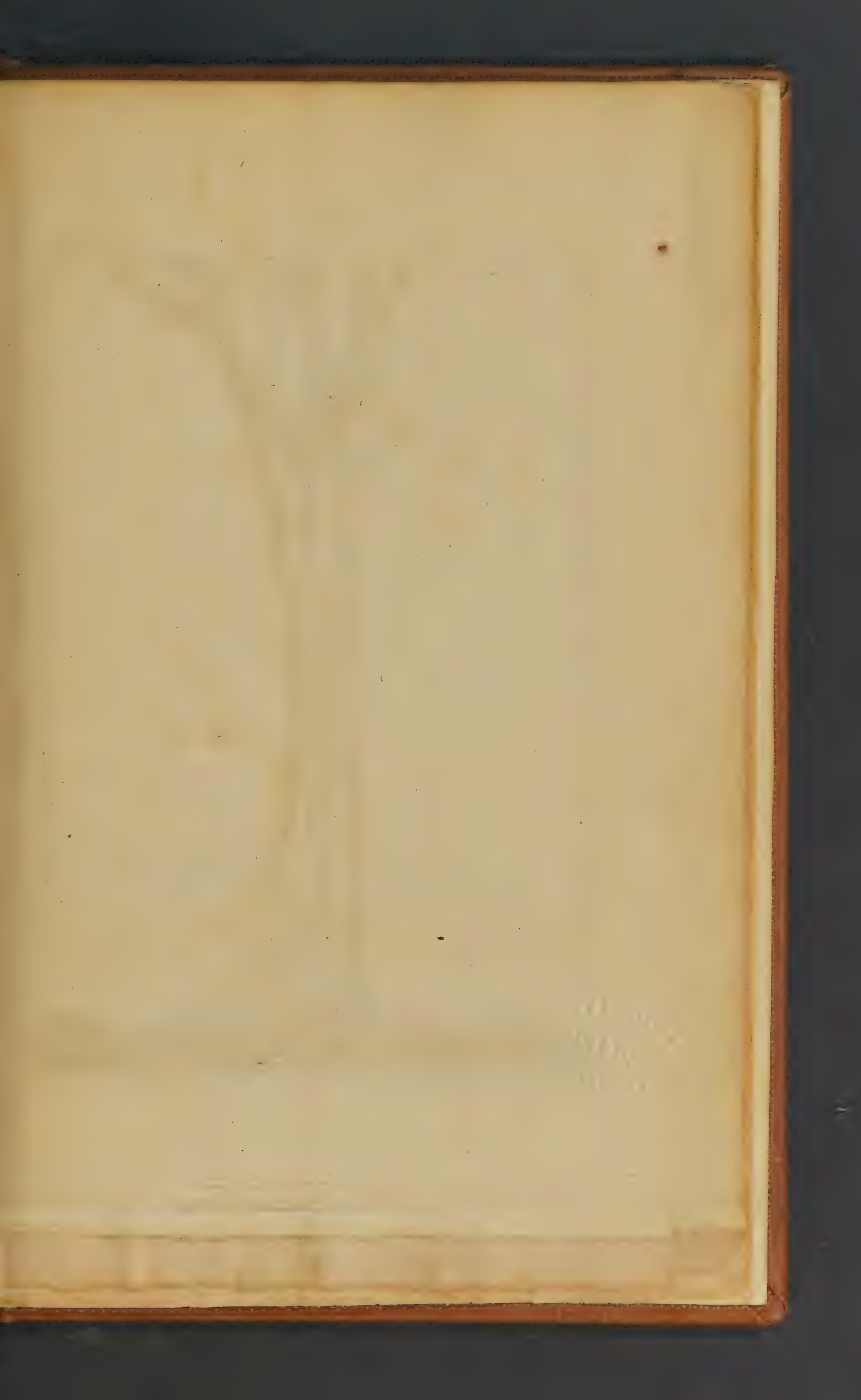
Dimensions.

Smallest Size.		Largest Size.	
length	square	length	square
Feet	Inches	Feet	Inches
20	10 by 8	40	12 by 10
9	8 - 10	12	9 - 12
8	6 - 8	10	7 - 10

Beam
Knee
Knee

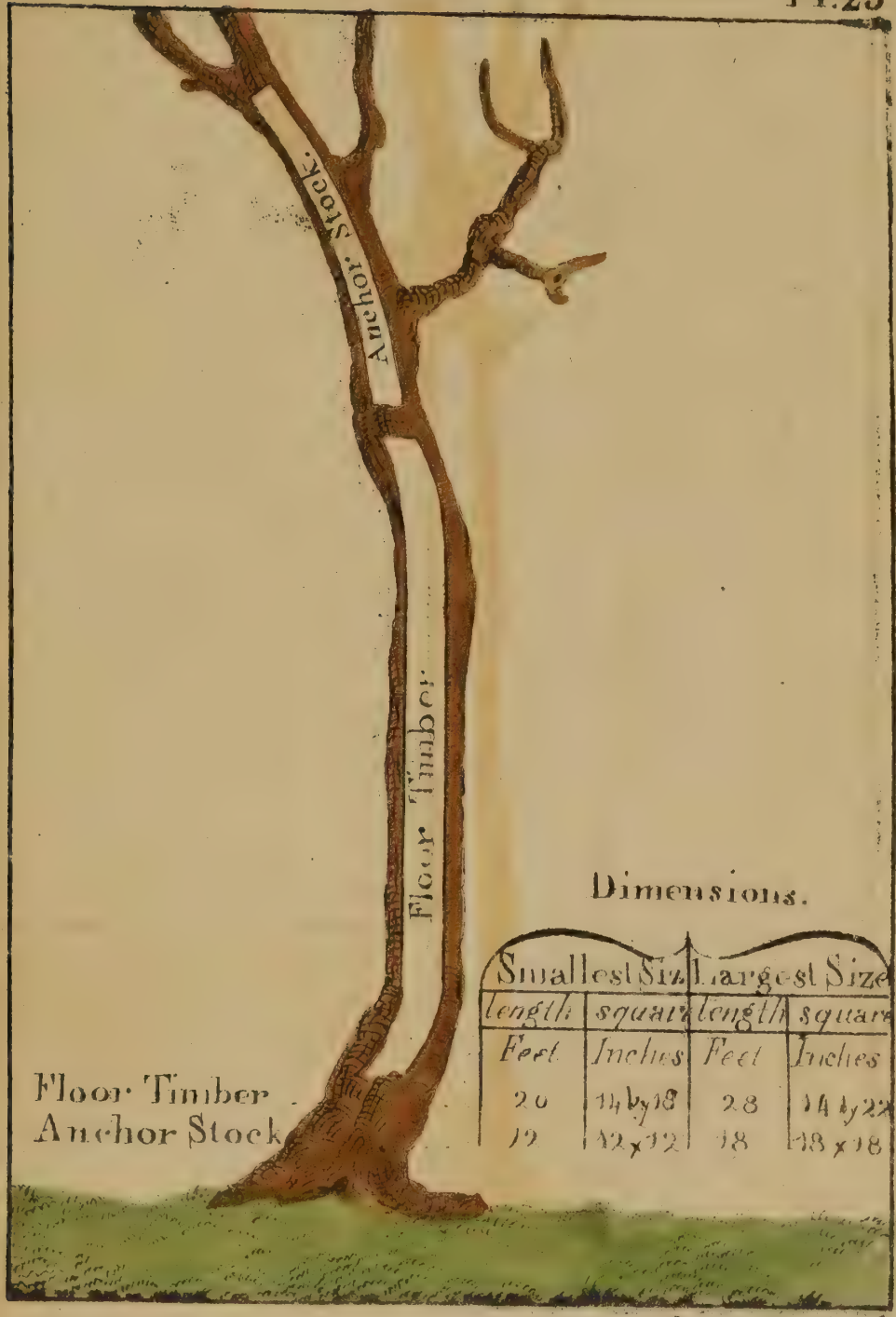
Henry Stone Lithog^{er}







Henry Stone Joiner



Floor Timber
Anchor Stock

Dimensions.

Smallest Size		Largest Size	
length	square	length	square
Feet	Inches	Feet	Inches
20	14 by 18	28	14 by 22
12	12 x 12	18	18 x 18

Henry Stone Litho.







Henry Stone Lithog.

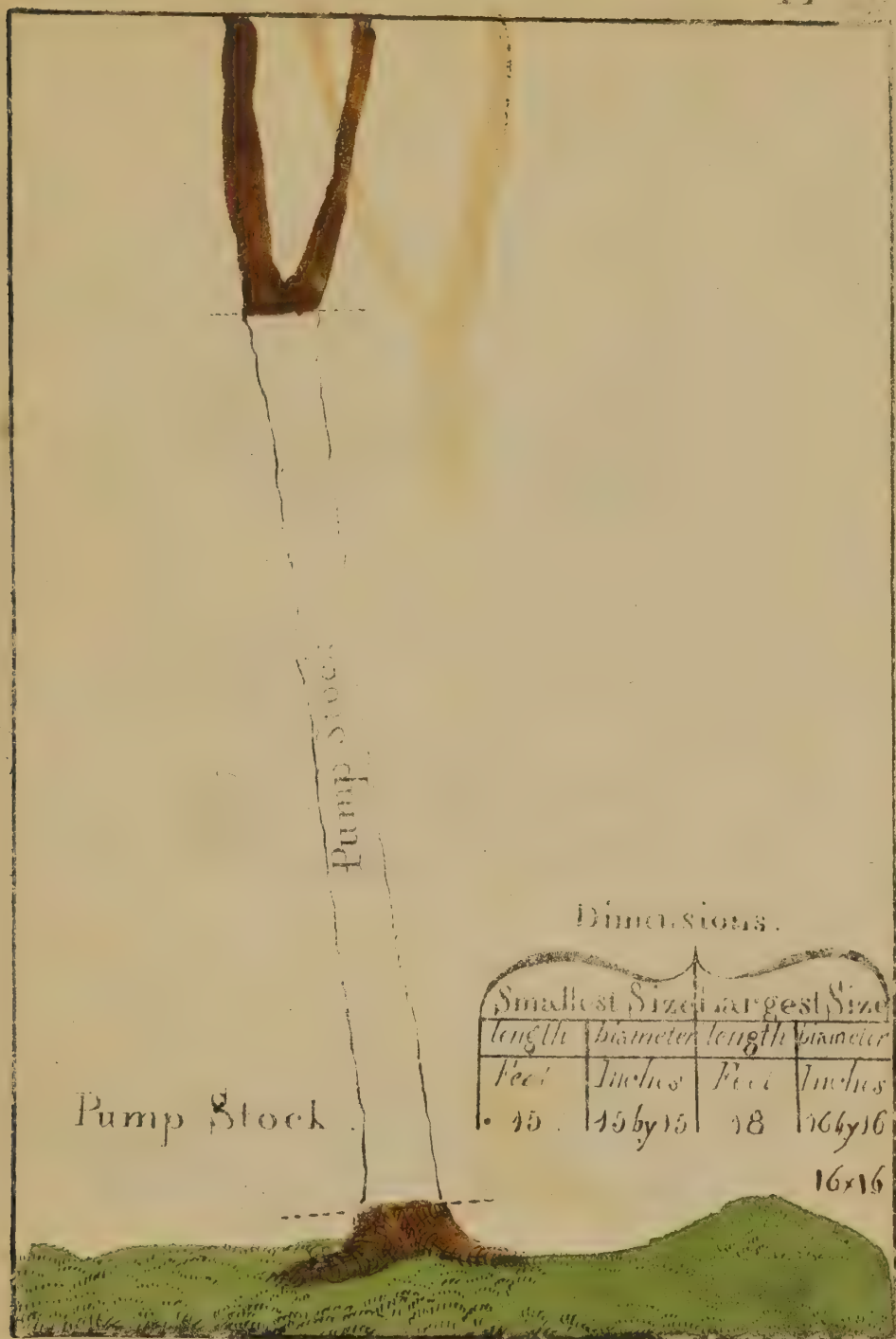


From the ...



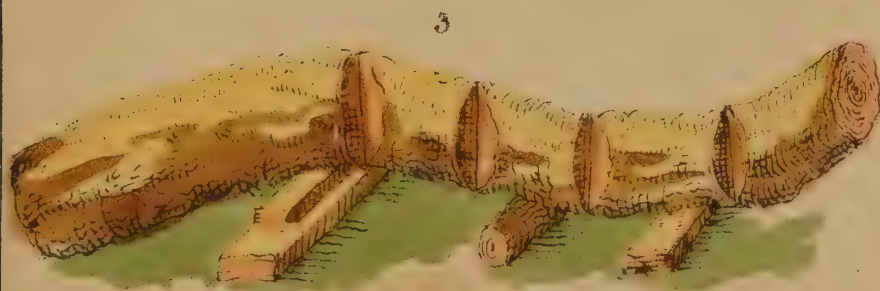


Henry Stone Lithog^{er}



new stone pump



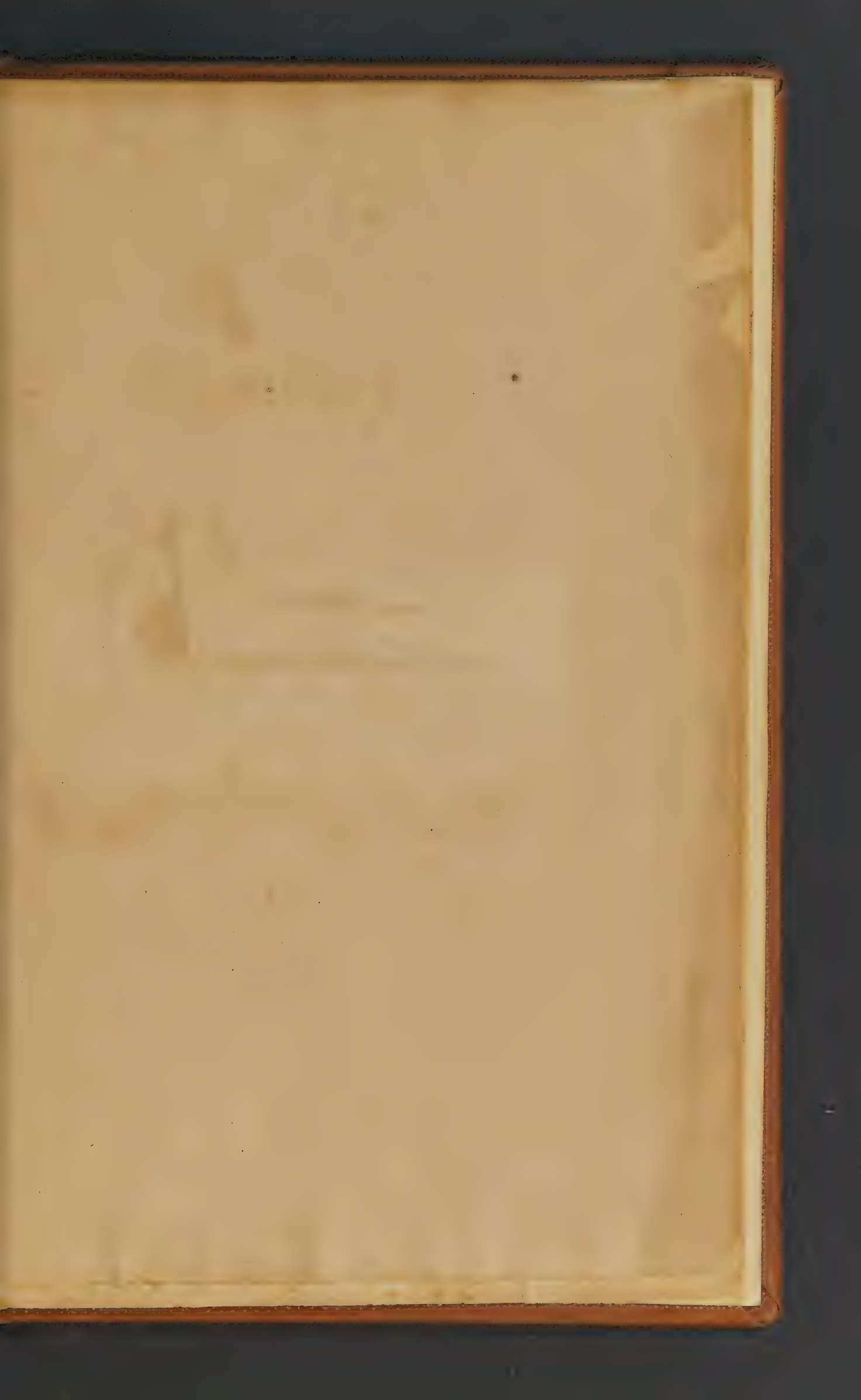


Henry Stone Lithog

- 1st Knee in Stock beginning to be hewed.
- 2^d Dth hewed on a straight line, to be shaped on the crook.
- 3^d Timber beginning to be hewed in the Stock.

P. R. Uble, ded. 1/

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ERRATA.

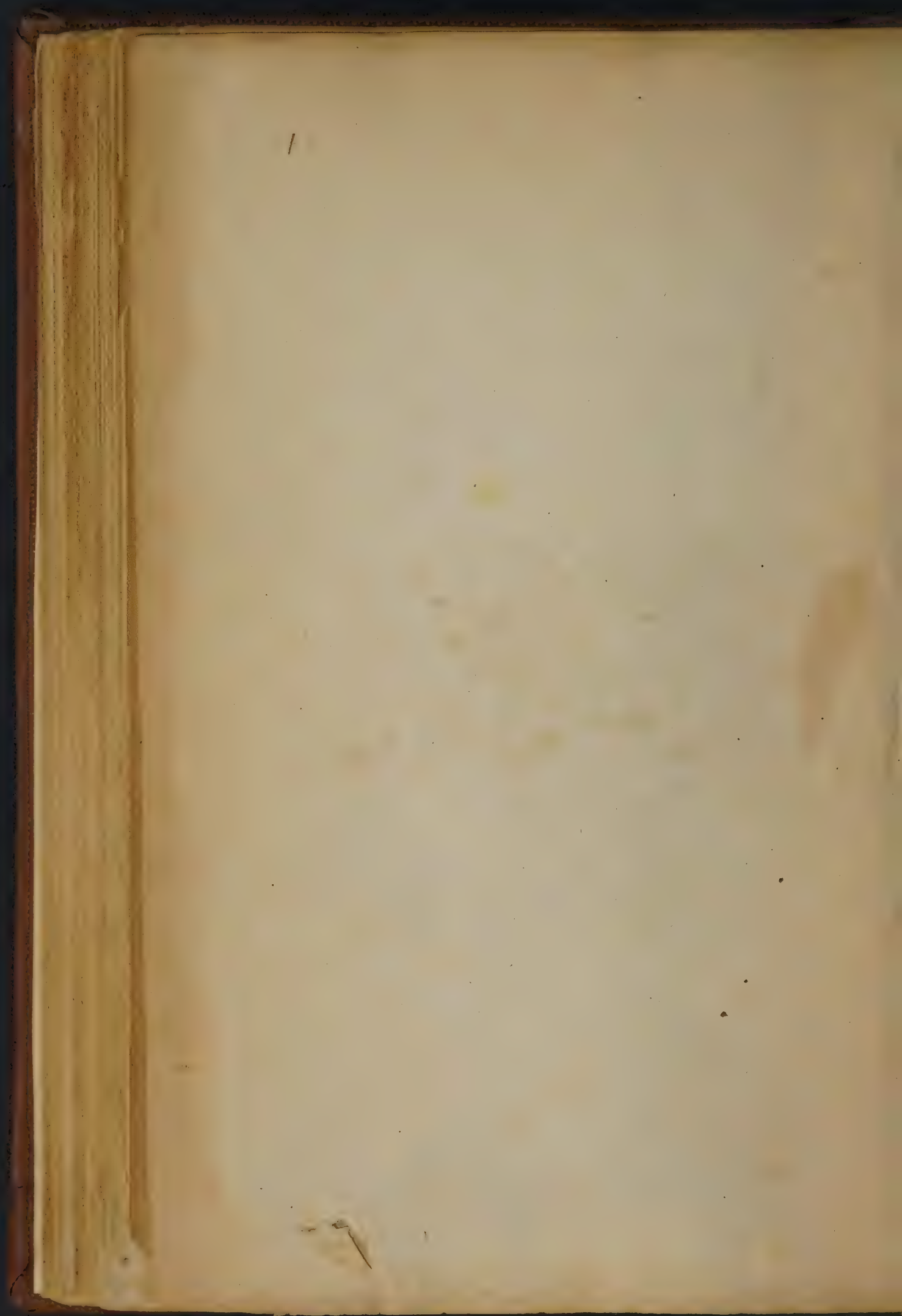
Copy Right, for *28th Nov.* read *25th March.* ✓

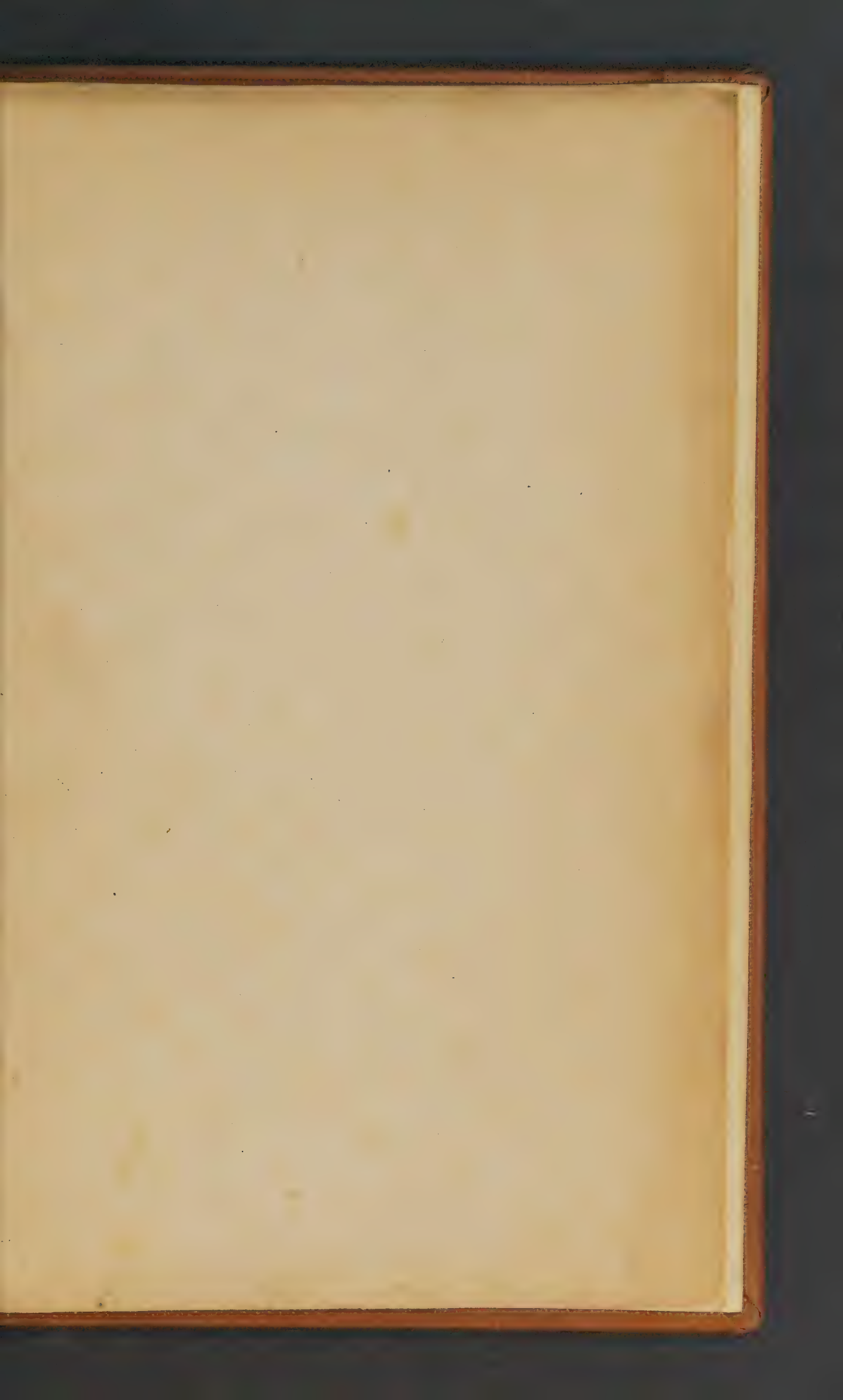
CHAP. I. French note, for *Publicéan* read *Publiée en.* ✓

Page 16, 2d line, for *white oak*, read *white and live oak.* ✓

Page 16, Sect. ii. 14th line, for *Duhaniel* read *Duhamel.* ✓

Page 20, Sect. iv. 11th line, for *latter* read *former.* ✓





Rupert^{\$} c. -

8/25/27



1787485

